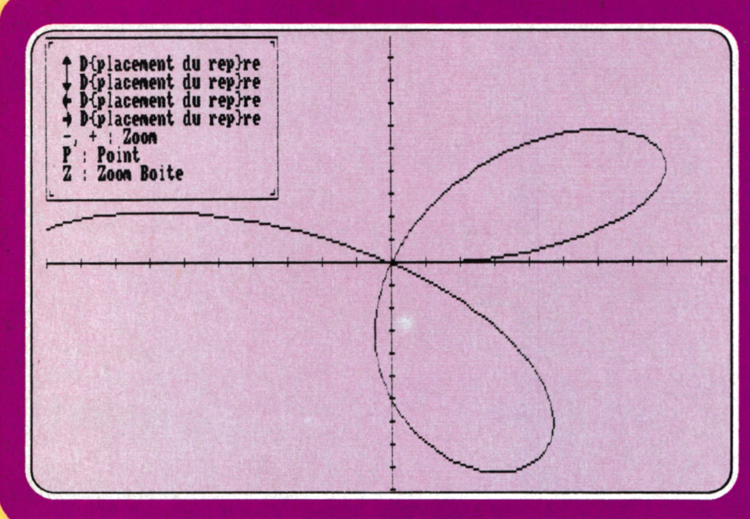
Micro Informatique Standards AMSTRAD

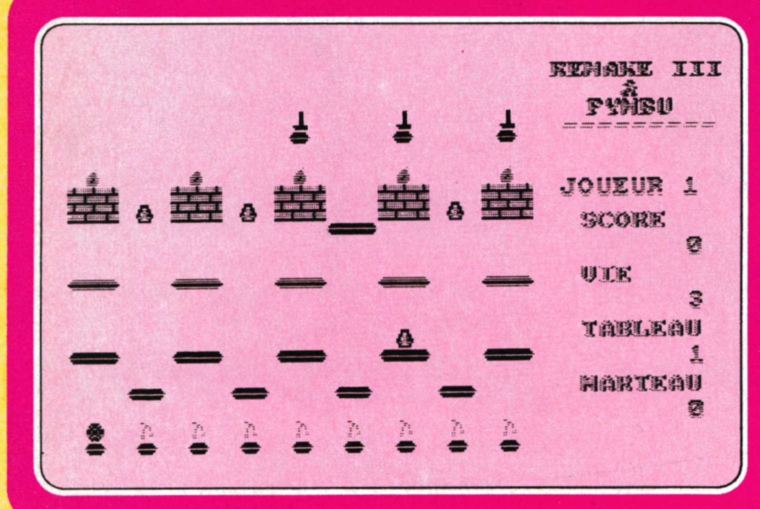
CPC infos



• TRACE - COURBES



• ROUTARD



• REMAKE & PYMBU 3

BIMESTRIEL
N°51
AVRIL 1993 -
MAI 1993





N°51



NOUVEAU
LES CPC + PEUVENT TELECHARGER SUR LE 36-15 ARCADES
voir page 7





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PROGRAMMES AU KILO

Voici une brouettée de P.A.K. pour ce numéro 51 à consommer avec modération et n'oubliez pas que si vous souhaitez voir cette rubrique tous les deux mois, il va falloir continuer à envoyer vos P.A.K. sur papier, K7 ou disque à l'adresse suivante :

Editions SORACOM CPC INFOS - PAK
La Haie de Pan 35170 Bruz

ECRITCUB.BAS

ECRITVAG.BAS

(Cyril Le Chat)

Ces deux PAK permettent de créer des titres en couleurs. Le premier donne une écriture en cube (!) dans le mode graphique 0. Le second PAK affiche une vague colorée en mode 1. Il est bien sûr possible de changer le texte et la forme de la vague.

PRONESPO.BAS

(Evelyne et Pierre Chibleur)

Ce PAK n'en est pas un, puisqu'il occupe plus de 2 Ko. Mais comme nous sommes en 93, je laisse passer. Il s'agit de la suite du programme CARESPO (CPC Infos no 47). Le logiciel affiche un tableau dans lequel s'affiche les lettres posant un problème de prononciation en espéranto, avec exemples et traduction.

Attention, le programme CARESPO est indispensable pour le bon fonctionnement (il suffit de le lancer avant PRONESPO).

Ce programme a été prévu pour les claviers AZERTY mais il fonctionne pour les claviers QWERTY (exception faite pour le ù qui reste sous sa forme de barre).

Voici les correspondances :

AZERTY	QWERTY
é	{
è	}
à	@
ç	\
ù	≥

LOSANGE.BAS

(Aurélien Gérard)

Un nouveau programme graphique avec l'entrée de deux paramètres (je vous laisse la surprise). Vous obtiendrez au final un joli losange avec des vagues multicolores aléatoires.

DATALOGI.BAS

(Nicolas Haignere)

Datalogie est un utilitaire pour entrer des lignes de data. Il regroupe les options de Dataload, mais en 2 Ko, avec un RETURN automatique. Il contient 3 formules de calcul : avec ou sans "&", avec ou sans vérification, un RETURN automatique après l'entrée de 2 caractères. On obtient la sauvegarde du fichier par ESC (à tout moment) et celui-ci prend l'extension .GIE. Attention le RESET n'est pas bloqué, donc ne pas faire ESC+SHIFT+CTRL. Si une erreur est relevée après la somme, la ligne est effacée automatiquement. Dans le menu des options, OK permet de modifier les variables. En cas de réponse positive, on ne peut changer les paramètres qu'en relançant le programme.

SOKOBAM.DAT

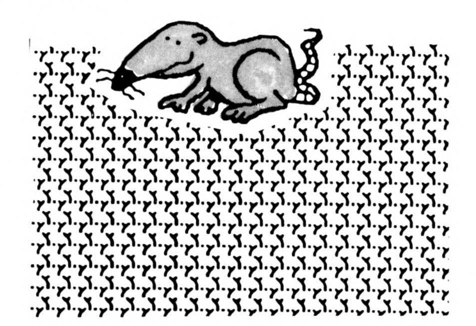
(Christophe Mesplede)

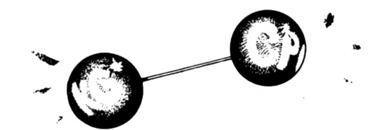
Ce programme est une version remise au goût du jour du célèbre DATALOAD, afin de pouvoir taper sans trop de problèmes les listings du jeu SOKOBAM. En effet, DATALOAD ne fonctionne qu'avec des datas de 2 chiffres , alors que ceux de SOKOBAM en comptent 4. Après avoir tapé et lancé SOKOBAM.DAT, entrez le nom du fichier data à créer, puis le numéro de ligne à partir duquel vous souhaitez commencer. Vous pouvez alors taper vos lignes. Si l'une d'entre elles est fausse, le CPC émet un "bip" et la ligne en question est à retaper. Sinon, on passe à la suivante. Une pression sur "DEL" provoque l'effacement de la ligne en cours. La sauvegarde s'effectue par une double pression sur "ESC". Le programme vous indique alors le numéro de ligne où reprendre lors de la prochaine saisie. Attention, ce programme ne prend pas en compte les inversions de datas.

IMPRIME.CAT

(Gérard Basty)

Un PAK bien utile pour l'impression du catalogue d'une (ou de plusieurs) disquette. Après avoir lancé le programme (GOTO 65000), il ne reste plus qu'à suivre les indications qu'il donne. Le mode d'impression ainsi que la marge gauche peuvent être modifiés à la ligne 65080. Enfin, compte tenu de sa taille, IMPRIME.CAT prend facilement place sur toutes les disquettes de travail (et même sur d'autres). Ce programme a été testé sur 664 et sur 6128 plus, il ne fonctionne pas sur 464.





ECRITCUB.BAS

```
50 MODE 0                                                   >BG
60 a$="CPC PAK"                                             >ZF
80 DIM c(20)                                                >UG
90 RESTORE 90:DATA 1,13,0,3,6,15,24,26,20,11,2,1,4,8,17     >XR

100 FOR t=0 TO 15:READ f:INK t,f:NEXT                       >EU
110 FOR t=20 TO 1 STEP -1:c(t)=2:NEXT:ec=1:k=70:y=300:G     >JX
OSUB 160
120 s=0:ec=0:k=34:y=356:GOSUB 160                           >BC
130 RESTORE 130:DATA 4,4,5,4, 4,4,5,6, 6,5,7,6, 7,7,8,7     >PM
, 9,9,10,9:FOR t=20 TO 1 STEP -1:READ c(t):NEXT:s=0:y=3
00:ec=0:k=-32:GOSUB 160
140 s=0:y=356:ec=2:k=32:GOSUB 160                           >BE
150 GOTO 250                                                >YK
160 x=(639/2-(LEN(a$)*64)/2)+k:g=x:y=y+40                   >JK
170 LOCATE 1,25:PEN 1:PRINT a$                              >XM
180 FOR b=15 TO 1 STEP -1:FOR a=1 TO LEN(a$)*32 STEP 4      >TL
190 c=TEST(a,b)                                             >FE
200 IF c=1 THEN PLOT x,y,c(b):PLOT x+4,y-2:PLOT x+4,y,c     >ER
(b+1):PLOT x,y-2,c(b+2)
210 x=x+8:NEXT:y=y-4:x=g:IF ec=1 THEN s=s+5:x=x-s           >VE
220 IF ec=0 THEN s=s+2.5:x=x+s                              >YE
230 IF ec=2 THEN s=s+5:x=x-s                                >WJ
240 NEXT:RETURN                                             >MA
250 LOCATE 1,25:PRINT STRING$(15," ")                       >EW
260 LOCATE 1,15:PEN 10:PRINT "  ECRITURE  CUBE":PEN 7:      >HK
PRINT "  BY LE CHAT CYRIL   ";:PEN 4:PRINT "     (c)199
2"
```



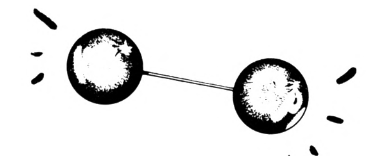
ECRITVAG.BAS

```
50 coef=90                                                  >QE
60 DATA 1,1,1,2,1, 2,2,2,3,2, 3,3,2,3,3,2,3, 2,2,2,1,2,     >AP
 1,1,1,1
70 DIM color(26):RESTORE 60:FOR t=1 TO 26:READ color(t)     >KA
:NEXT:DEG:INK 0,0:BORDER 0:INK 1,6:INK 2,15:INK 3,24:MO
DE 1
80 a$="2 ECRITURES EN VAGUE COLOREES":X=100:Y=190:LOCAT     >LL
E 1,1:PEN 1:PRINT A$:CO=1
90 FOR A=398 TO 398-13 STEP -0.5:FOR B=1 TO LEN(A$)*16      >NK
STEP 2:DF=TEST(B,A):IF DF=1 THEN PLOT X,Y+COS(B)*COEF,C
OLOR(CO):PLOT X,Y+COS(B)*COEF-2
100 X=X+2:NEXT:Y=Y-4:X=100:CO=CO+1:NEXT:LOCATE 1,1:PRIN     >AL
T STRING$(39," ")
110 '                                                       >RC
120 LK=0:KK=1:P=1:A$="P.A.K. BY LE CHAT CYRIL":Y=390:GO     >KC
SUB 180
130 A$="PEUT ETRE UTILISE POUR VOS PAGES DE":Y=370:GOSU     >KU
B 180
140 A$="PRESENTATION.MAIS AUSSI EN JOUANT AVEC":Y=350:G     >PB
OSUB 180
150 A$="LE 'COEF' VOUS POUVEZ METTRE LA VAGUE EN":Y=330     >QD
:GOSUB 180
160 A$="MOUVEMENT.FACILE NON...!":Y=310:GOSUB 180           >VR
170 GOTO 310                                                >YJ
180 ESP=(40-LEN(A$)/2):A$=STRING$(ESP," ")+A$+STRING$(E     >JN
SP," ")
190 LK=0:KK=1:P=1:TAG:X=639/2-LEN(A$)*16/2:FOR A=1 TO L     >CY
EN(A$):PLOT 900,900,P:MOVE X,Y+LK:PRINT MID$(A$,A,1);
200 IF KK=0 THEN LK=0:P=1                                   >TY
210 IF KK=1 THEN LK=-2:P=2                                  >UX
220 IF KK=2 THEN LK=-4:P=3                                  >UC
230 IF KK=3 THEN LK=-6:P=2                                  >UF
240 IF KK=4 THEN LK=-8:P=1                                  >UJ
250 IF KK=5 THEN LK=-6:P=2                                  >UK
260 IF KK=6 THEN LK=-4:P=3                                  >UL
270 IF KK=7 THEN LK=-2:P=2                                  >UK
280 KK=KK+1:IF KK>=8 THEN KK=0                              >XG
290 IF DFS=1 THEN RETURN                                    >TB
300 X=X+16:NEXT:TAGOFF:RETURN                               >AE
310 '                                                       >RE
320 A$="THE CATS":X=500:Y=20:LK=0:KK=1:P=1:TAG:FOR A=1      >KP
TO LEN(A$):PLOT 900,900,P:MOVE X,Y+LK:PRINT MID$(A$,A,1
);
330 DFS=1:GOSUB 200:X=X+16:NEXT:TAGOFF                      >JF
340 CLEAR INPUT:CALL &BB18                                  >VX
```

PRONESPO.BAS

```
10 MODE 2:PRINT:LOCATE 17,1:PRINT "PRONOMCIATION DE LA      >VZ
LANGUE UNIVERSELLE ESPERANTO":PRINT:PRINT
20 PRINT "Toutes les lettres se prononcent. Alphabet :      >YB
abc(defg)n@ij\klmnoprs^tuv!z"
30 PRINT "Les lettres ESPERANTO se prononcent comme en      >ZD
FRANCAIS sauf :":PRINT
40 PRINT "Pour  : ";:FOR n=1 TO 12:READ a:READ b:PRINT      >ND
TAB(a);CHR$(b);:NEXT:LOCATE 73,7:PRINT "FIN"
50 DATA 10,99,15,123,20,101,25,103,30,125,35,104,40,64,     >MD
45,106,50,92,55,94,60,117,65,124
60 PRINT:PRINT"Tapez :";:FOR n=1 TO 13 :READ c:READ d$:     >EE
PRINT TAB(c);d$;:NEXT
70 DATA 10,C,15,6,20,E,25,G,30,5,35,H,40,4,45,J,50,3,55     >TE
,2,60,U,65,1,74,F
80 PRINT:PRINT:FOR i=1 TO 80:PRINT CHR$(154);:NEXT:PRIN     >UX
T CHR$(149);" La lettre ! se prononce ! comme dans le m
ot ";CHR$(149);" EXEMPLE ! PRONONCER ! TRADUIRE ";CHR$(
149);:FOR i=1 TO 80:PRINT CHR$(154);:NEXT
90 FOR i=1 TO 7:READ E:READ F:PRINT TAB(E)CHR$(F);:NEXT     >AY

95 DATA 1,149,13,33,27,33,47,149,57,33,69,33,80,149         >RZ
```



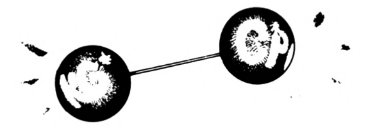
```
100 a$=UPPER$(INKEY$):IF a$="C" THEN 120 ELSE IF a$="6" >AM
 THEN 210 ELSE IF a$="E" THEN 310 ELSE IF a$="G" THEN 4
10 ELSE IF a$="5" THEN 510 ELSE IF a$="H" THEN 610
110 IF a$="4" THEN 710 ELSE IF a$="J" THEN 810 ELSE IF >LU
a$="2" THEN 910 ELSE IF a$="3" THEN 1010 ELSE IF a$="U"
 THEN 1110 ELSE IF a$="1" THEN 1210 ELSE IF a$="F" THEN
 PRINT:PRINT "A BIENTOT POUR UNE NOUVELLE LECON !!!":EN
D
115 IF A$="" OR A$<>"1" OR A$<>"2" OR A$<>"3" OR A$<>"4 >DF
" OR A$<>"5" OR A$<>"6" OR A$<>"C" OR A$<>"E" OR A$<>"G
" OR A$<>"H" OR A$<>"J" OR A$<>"U" OR A$<>"F" THEN 100
120 PRINT CHR$(149);"     c      ";CHR$(33);"       ts   >AC
  ";CHR$(33);"      tsar      ";CHR$(149);" facila
";CHR$(33);" fatsila  ";CHR$(33);" FACILE  ";CHR$(149
);
130 FOR i=1 TO 80:PRINT CHR$(154);:NEXT:GOTO 100        >QE
210 PRINT CHR$(149);"     {      ";CHR$(33);"      tch    >BP
  ";CHR$(33);"      tcheque      ";CHR$(149);" {apelo
";CHR$(33);" tchapello ";CHR$(33);" CHAPEAU  ";CHR$(149
);:GOTO 130
310 PRINT CHR$(149);"     e      ";CHR$(33);" e acc. aig >WE
u ";CHR$(33);"         et        ";CHR$(149);" meti
";CHR$(33);"     metti  ";CHR$(33);" METTRE  ";CHR$(149
);:GOTO 130
410 PRINT CHR$(149);"     g      ";CHR$(33);" gu (dur)   >BE
  ";CHR$(33);"       guenon      ";CHR$(149);" gitaro
";CHR$(33);" guitaro  ";CHR$(33);" GUITARE  ";CHR$(149
);:GOTO 130
510 PRINT CHR$(149);"     )      ";CHR$(33);"       dj   >UU
  ";CHR$(33);"      Djemila      ";CHR$(149);" sa)a
";CHR$(33);" sadja    ";CHR$(33);"  SAGE    ";CHR$(149
);:GOTO 130
610 PRINT CHR$(149);"     h      ";CHR$(33);" h aspire   >UA
  ";CHR$(33);"          ?        ";CHR$(149);" havi
";CHR$(33);"    'havi   ";CHR$(33);" AVOIR(v) ";CHR$(149
);:GOTO 130
710 PRINT CHR$(149);"     @      ";CHR$(33);"   comme da >QX
ns Bach en allemand ou jota en espagnol : peu employe
";CHR$(149);:GOTO 130
810 PRINT CHR$(149);"     j      ";CHR$(33);" y ou ill   >UG
  ";CHR$(33);"       yeux        ";CHR$(149);"  jes
";CHR$(33);"  yess'   ";CHR$(33);"   OUI    ";CHR$(149
);:GOTO 130
910 PRINT CHR$(149);"     ^      ";CHR$(33);"       ch   >TD
  ";CHR$(33);"       chat        ";CHR$(149);"  ^afo
";CHR$(33);"  chafo   ";CHR$(33);" MOUTON   ";CHR$(149
);:GOTO 130
1010 PRINT CHR$(149);"     \      ";CHR$(33);"       j   >CU
  ";CHR$(33);"      journal      ";CHR$(149);" \urnalo
 ";CHR$(33);" journalo ";CHR$(33);" JOURNAL ";CHR$(14
9);:GOTO 130
1110 PRINT CHR$(149);"     u      ";CHR$(33);"      ou   >WP
  ";CHR$(33);"        doux       ";CHR$(149);"  lupo
 ";CHR$(33);"  loupo   ";CHR$(33);"  LOUP    ";CHR$(14
9);:GOTO 130
1210 PRINT CHR$(149);"     !      ";CHR$(33);" ou bref   >JP
  ";CHR$(33);" pas d'equivalent ";CHR$(149);" anka!
 ";CHR$(33);" ann'kaou ";CHR$(33);"  AUSSI  ";CHR$(14
9);:GOTO 130
```

LOSANGE.BAS

```
10 'LOSANGE MAGIQUE                                      >LA
20 'PAR AURELIEN GERARD                                  >LB
30 '                                                     >LC
40 'COPYRIGHT CEYRAT MICRO 1992                          >LD
50 MODE 1                                                >BH
60 INPUT "TOUR DE LA FIGURE (O/N) ";T$                   >GN
70 INPUT "GROSSEUR DE LA FIGURE (1/200) :",G             >NY
80 MODE 0                                                >BK
90 INK 0,0                                               >FG
100 BORDER 0                                             >BC
110 O=1                                                  >NK
120 FOR A=1 TO 360                                       >LB
130 MOVE 320,200                                         >AB
140 DRAW 320+G*COS(A),200+((G/10)*2)*SIN(A),O            >MA
150 DRAW 320+((G/10)*2)*COS(A),200+G*SIN(A)              >JX
160 IF T$="O" THEN DRAW 320+G*COS(A),200+G*SIN(A)        >QY
170 O=O+1                                                >EE
180 IF O=16 THEN O=1                                     >NB
190 NEXT                                                 >EF
200 I=INT(RND*15)+1                                      >NA
210 P=INT(RND*26)                                        >ME
220 INK I,P                                              >TF
230 IF INKEY$="" THEN 200 ELSE RUN                       >AX
```

DATALOGI.BAS

```
10 MODE 2:WINDOW #1,1,80,1,1                             >VP
20 PRINT "DATALOGIE par Nicolas HAIGNERE                 >PG
30 INPUT "NOMBRE DE DATA:",nbd:IF nbd=0 THEN 30          >QP
40 INPUT "'&' O/N:",h$:h$=UPPER$(h$):IF h$="O" THEN j$= >AN
"&"
50 INPUT "Verif O/N:",h$:h$=UPPER$(h$):IF h$="N" THEN 8 >BL
0
60 v=1:PRINT "1. t=t+k+65535*(t+k)32767)":PRINT "2. t=t >HK
+peek(ad)":PRINT "3. t=t+(peek(ad)*t)":INPUT "Formule 1
,2,3:",f
70 INPUT "Remise a 0 de somme O/N:",h$:h$=UPPER$(h$):IF >KB
 h$="O" THEN r=0 ELSE r=1:INPUT "Derniere somme:",t2
80 INPUT "Longueur de somme:",lo:IF f<3 AND lo>4 THEN 8 >EH
0 ELSE IF lo=0 THEN 80
90 INPUT "Nom Fichier:",n$:IF n$="" THEN 90              >ME
100 INPUT "Increment:",ic:IF ic=0 THEN 100               >ME
110 INPUT "Ligne de depart:",L:IF L=0 THEN 110           >TL
120 INPUT "Ok  O/N:",h$:h$=UPPER$(h$):IF h$<>"O" THEN 1 >ZX
0
130 CLS:OPENOUT n$+".gie":PRINT                          >BF
140 ON BREAK GOSUB 400                                   >QF
150 PRINT L;"DATA ";:k$=k$+STR$(L)+" DATA ":s$=""        >TA
```



```
160 FOR x=1 TO nbd*2                                          >NV
170 GOSUB 310:PRINT d$;:k$=k$+d$:d$=""                        >EW
180 IF st=1 THEN st=0:GOTO 300                                >XZ
190 NEXT x                                                    >QD
200 i=1                                                       >ND
210 k$=k$+j$:PRINT j$;                                        >QQ
220 FOR x=1 TO lo                                             >LK
230 GOSUB 310:PRINT c$;:k$=k$+c$                              >ZL
240 IF st=1 THEN st=0:GOTO 300                                >XW
250 NEXT:i=0                                                  >KE
260 IF v=0 THEN c=1:GOTO 290                                  >VT
270 IF f<>3 THEN s=VAL("&"+s$) ELSE s=VAL(s$):s$="":IF        >UA
s>65535 THEN s=0:t=0:k$="":GOTO 300
280 IF s<>t+t2 THEN SOUND 1,90:PRINT#1,CHR$(24);"Bug";C       >ZF
HR$(24);:t=0:k$="":GOTO 300:ELSE c=1
290 IF c=1 THEN c=0:GOSUB 390:PRINT CHR$(13):L=L+ic:k$=       >TV
"":t=0:GOTO 150
300 LOCATE 1,VPOS(#0):PRINT CHR$(18):LOCATE 1,VPOS(#0)-       >MV
1:GOTO 150
310 WHILE c$>"":c$=INKEY$:WEND                                >ZM
320 WHILE c$="":c$=INKEY$:WEND                                >ZM
330 CLS#1:c$=UPPER$(c$)                                       >RB
340 IF INKEY(79)=0 THEN st=1:k$="":d$="":c$="":nb=1:t=0       >JT
:RETURN
350 IF ASC(c$)<47 OR ASC(c$)>58 AND ASC(c$)<65 OR ASC(c       >LV
$)>70 THEN 310
360 IF i=1 THEN s$=s$+c$:RETURN                               >ZA
370 IF nb=2 THEN d$=d$+c$+",":g$=g$+c$:nb=1:ON f GOSUB        >VC
410,420,430:RETURN
380 d$=j$+d$+c$:g$=c$:nb=2:RETURN                             >BQ
390 PRINT#9,k$:IF r=1 THEN t2=t2+t:RETURN:ELSE t=0:RETU       >FM
RN
400 CLOSEOUT:END                                              >MG
410 k=VAL("&"+g$):t=t+k+65536*(t+k)32767):RETURN              >TB
420 t=t+VAL("&"+g$):RETURN                                    >VC
430 t=t+VAL("&"+g$)*(INT(x/2)-1):RETURN                       >HW
```

IMPRIME.CAT

```
64985 '                                                       >FH
64987 ' P.A.K. - Gerard BASTY - 1988 - Modifie Avril 91       >FK

64990 '                                                       >FD
64995 END ' Chargez avec MERGE "IMPRIME.CAT" et lancez        >GH
par GOTO 65000
64997 '                                                       >GA
65000 GOSUB 65210                                             >LB
65010 CLS:CAT                                                 >QH
65020 ligne=VPOS(#0):iv$=CHR$(24):ef$=CHR$(18)                >QT
65030 LOCATE 1,22:PRINT iv$;" Titre de la disquette et        >DA
face ";iv$;" :
65040 LOCATE 35,22:PRINT ef$;:INPUT "",nom$                   >LR
65050 LOCATE 1,22:PRINT ef$                                   >VJ
65060 LOCATE INT((78-LEN(nom$))/2),1:PRINT nom$               >RF
65070 LOCATE 55,2:PRINT iv$;" Imprimante hors ligne ";i       >LR
v$
65080 PRINT#8,CHR$(27);"M";CHR$(27);CHR$(108);CHR$(8)         >XZ
65090 LOCATE 55,2:PRINT ef$                                   >VW
65100 '                                                       >DH
65110 LOCATE 1,1                                              >DC
65120 FOR x%=2 TO ligne-1                                     >TY
65130   FOR c%=1 TO 39*PEEK(&B7C3)                            >YX
65140     PRINT#8,COPYCHR$(#0);:PRINT CHR$(9);                >MD
65150   NEXT                                                  >UD
65160  PRINT #8                                               >RA
65170 NEXT                                                    >TH
65180 '                                                       >EF
65190 END                                                     >FF
65200 '                                                       >DJ
65210 MODE 2:BORDER 10:INK 0,13:INK 1,26                      >FG
65220 WINDOW 2,79,2,24:MOVE 0,0:DRAW 0,399:DRAW 639,399       >YG
:DRAW 639,0:DRAW 0,0
65230 LOCATE 10,12:PRINT "Inserez la disquette a traite       >MH
r et appuyez sur une touche.
65240 CALL &BB06:RETURN                                       >TL
```

SOKOBAM.DAT

```
10 ' SOKOBAM.DAT - P.A.K. - (c)1993 Christophe MESPLEDE       >LA

20 ' Version speciale de DATALOAD pour SOKOBAM                >LB
30 MODE 2:INK 0,13:INK 1,0:BORDER 0:INPUT "Fichier:",fi       >PE
c$:INPUT "No de ligne:",L
40 OPENOUT fic$:ON BREAK GOSUB 240                            >CN
50 t=0:PRINT:PRINT L;"DATA ";                                 >YB
60 ligne$=STR$(L)+" DATA "                                    >VN
70 FOR j=1 TO 8                                               >PC
80 y=4:ch$(j)="":GOSUB 200                                    >UP
90 a$=LEFT$(ch$(j),2):b$=RIGHT$(ch$(j),2):a=VAL("&"+a$)       >UV
:b=VAL("&"+b$):t=t XOR a:t=t XOR b
100 PRINT ",";                                                >ME
110 ligne$=ligne$+ch$(j)+","                                  >WX
120 NEXT                                                      >DJ
130 y=2:j=9:ch$(9)="":GOSUB 200                               >YE
140 IF VAL("&"+ch$(9))<>t THEN PRINT CHR$(7)CHR$(13)SPA       >RC
CE$(51)CHR$(13)CHR$(11);:GOTO 50
150 ligne$=ligne$+ch$(9)                                      >TA
160 PRINT#9,ligne$                                            >NJ
170 ligne$=""                                                 >JB
180 L=L+10                                                    >KH
190 GOTO 50                                                   >TB
200 FOR z=1 TO y                                              >AG
210 k$=UPPER$(INKEY$):IF k$<>"" THEN IF (ASC(k$)>64 AND       >RX
 ASC(k$)<71) OR (ASC(k$)>47 AND ASC(k$)<60) THEN 220 EL
SE IF k$=CHR$(127) THEN PRINT CHR$(7);:GOTO 50 ELSE 210
 ELSE 210
220 ch$(j)=ch$(j)+k$:PRINT k$;                                >XP
230 NEXT:RETURN                                               >MZ
240 ' Sauvegarde                                              >RG
250 CLOSEOUT:CLS:PRINT "Prochaine ligne:";L                   >VD
```

LE 36-15 ARCADES EST MAINTENANT OUVERT AUX CPC PLUS !!

Après une période de répit, la chronique du téléchargement revient principalement pour annoncer aux possesseurs de 6128 + qu'une version du kit Arcades est diponible pour leur machine.



Il suffit de se rendre à la page 38 de ce numéro et d'envoyer le bon de commande accompagné d'un chèque.

• Pour pouvoir télécharger, il suffit de disposer d'un Minitel (peu importe le modèle), d'un câble et d'un logiciel de téléchargement. Ce logiciel existe maintenant en 2 versions : une pour les CPC 464 (avec lecteur de disquettes), 664 et 6128 anciens modèles et une autre pour les CPC plus (modèle blanc). Il n'y a pas de version cassette du logiciel Arcades.

• Le cordon existe également en deux versions qui ne sont pas compatibles entre elles. Il suffit de se reporter au bon de commande pour choisir son kit. Avec Arcades, vous aurez à votre disposition des centaines de programmes : jeux, éducatifs, utilitaires, graphismes et bien d'autres rubriques.

• Pour télécharger, il suffit de suivre le mode d'emploi qui est donné sur le minitel et sur la disquette. N'hésitez pas à appeler le 99 52 98 11 du Lundi au vendredi de 10 h à 12 h et de 14 h à 17 h en cas de problèmes (mais uniquement concernant le téléchargement).

QUOI DE NEUF ?

Les nouveaux programmes installés sur le serveur regroupent les disquettes des derniers numéros de CPC Infos.

Dans la catégorie des jeux, on trouve : Remake et Pymbu, 13 Colors, Stratège 3, Cyber Power, Fucki Demo, The Bug, Hal+, Skywar I, Remake & Pymbu II, Soko Bam, Ralf 2, RFX.

La rubrique utilitaires comprend : Programmes au kilo, Modèles Numériques de terrain, Family History System, Datas compacts, Kitutil.

Et encore d'autres petites choses jamais publiées dans CPC Infos.

MINI SONDAGE

Si vous êtes un utilisateur habituel du téléchargement ou, au contraire, un débutant acharné, vous pouvez, et vous devez, m'envoyer vos suggestions, remarques et autres injures (ou encore des programmes du domaine public : démos, utilitaires, fanzines) pour me permettre d'améliorer le 36-15 Arcades. N'oubliez pas que ce serveur est le seul en France à présenter autant de programmes diversifiés. Il serait dommage pour tous qu'il disparaisse. Alors, écrivez à :

CPC-Infos -Arcades -
La Haie de Pan
35170 Bruz

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Initiez vous à la gestion professionnelle des données, créez mille et une applications utiles sur votre CPC: adresses, stock de marchandises, collections, bibliothèques, vidéothèques, photos, etc.......

- **Masterfile 6128**, est le seul gestionnaire de fichiers utilisant complètement la mémoire étendue du CPC 6128.
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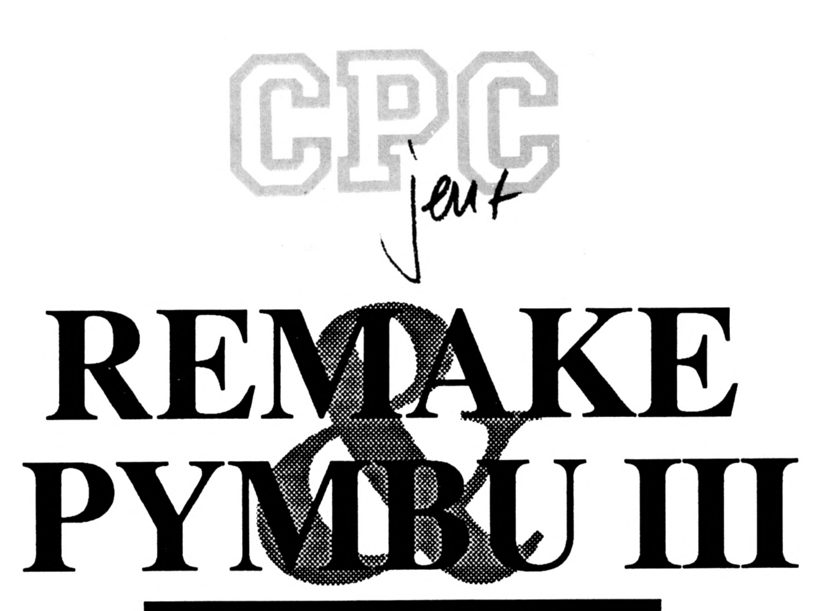
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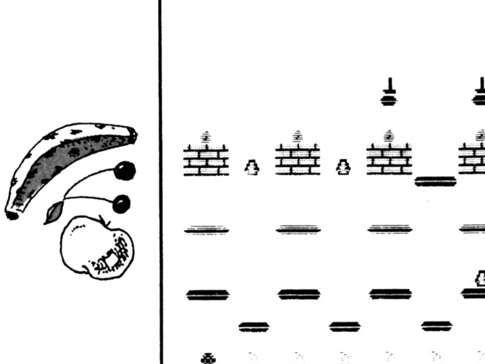


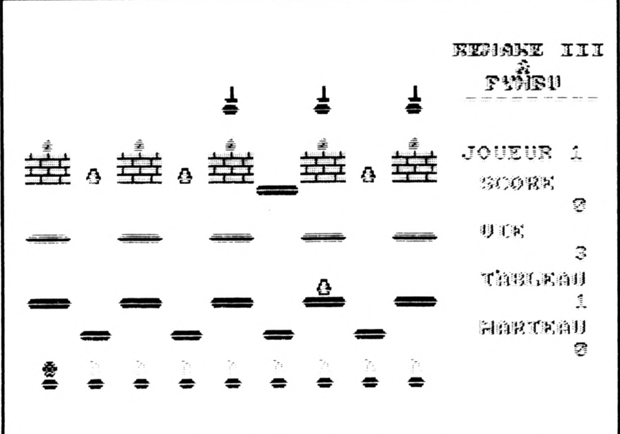
REMAKE & PYMBU III

René BONCOURRE

Valable pour CPC 464 – 664 – 6128

Voici la réunion des caractéristiques des jeux précédents : REMAKE & PYMBU 1 et 2 (CPC infos n°48). Plate- formes poreuses, rétrécissantes, murs, pieux, fruits, gâteaux, marteaux et des tableaux fous-fous-fous qui demanderont habileté et réflexion.







REMAKE3.BAS

```
10 '************************                         >LA
20 '*     Rene BONCOURRE    *                         >LB
30 '*                       *                         >LC
40 '*        presente       *                         >LD
50 '*                       *                         >LE
60 '*       REMAKE III      *                         >LF
70 '*                       *                         >LG
80 '* CPC infos sept 1992   *                         >LH
90 '************************                         >LJ
95 ON BREAK CONT                                      >LB
100 ST=1:v=3:v1=3:xc=0:cx=0:m=0:m1=0:tc=0:ct=0        >RJ
110 GOSUB 340:GOTO 1790                               >RE
120 INK 0,0:INK 1,26:INK 2,11:INK 3,6:PAPER 0:PEN 1:BOR >CR
DER 0
130 MODE 1:WINDOW 1,30,1,25:WINDOW#1,31,40,1,5:WINDOW#2 >WL
,31,40,6,25:PAPER#1,0:PAPER#2,0:CLS:CLS#1:CLS#2
140 ENV 1,100,3,1:ENT 1,100,2,2:ENT 1,2,17,70         >KR
150 ENV 1,15,-1,4                                     >DD
160 TAG:MOVE 480,392,2,1:PRINT "REMAKE III";:MOVE 482,3 >EY
94,1,1:PRINT"REMAKE III";:MOVE 546,374,2,1:PRINT"&";:MO
VE 548,376,1,1:PRINT"&";
170 MOVE 514,358,2,1:PRINT"PYMBU";:MOVE 516,360,1,1:PRI >WB
NT"PYMBU";:MOVE 490,342,3,1:PRINT"---------";:MOVE 492,
344,2,1:PRINT"---------";:TAGOFF
180 GOSUB 190:GOTO 330                                >QK
190 CLS#2:TAG:MOVE 490,290,1,1:PRINT"JOUEUR 1";:MOVE 49 >MB
0,288,3,1:PRINT"JOUEUR 1";
```



```
200 MOVE 506,260,2,1:PRINT"SCORE";:MOVE 508,260,1,1:PRI >RW
NT"SCORE";:MOVE 506,212,2,1:PRINT"VIE";:MOVE 508,212,1,
1:PRINT"VIE  ";:MOVE 506,164,2,1:PRINT"TABLEAU";:MOVE 5
08,164,1,1:PRINT"TABLEAU";
210 MOVE 506,116,2,1:PRINT"MARTEAU";:MOVE 508,116,1,1:P >LR
RINT"MARTEAU";:TAGOFF:GOSUB 220:GOSUB 230:GOSUB 240:GOS
UB 250:GOTO 720
220 LOCATE#2,4,6:PAPER#2,0:PRINT#2,"         ":TAG:MOVE 5 >WV
42,238,1,1:PRINT USING"#####";sc;:MOVE 542,236,3,1:PRIN
T USING"#####";sc;:TAGOFF:RETURN
230 LOCATE#2,4,9:PAPER#2,0:PRINT#2,"         ":TAG:MOVE 5 >JP
74,190,1,1:PRINT USING"###";V;:MOVE 574,188,3,1:PRINT U
SING"###";V;:TAGOFF:RETURN
240 LOCATE#2,4,12:PAPER#2,0:PRINT#2,"         ":TAG:MOVE >PG
574,142,1,1:PRINT USING"###";TA;:MOVE 574,140,3,1:PRINT
 USING"###";TA;:TAGOFF:RETURN
250 LOCATE#2,4,15:PAPER#2,0:PRINT#2,"         ":TAG:MOVE >GH
574,94,1,1:PRINT USING"###";m;:MOVE 574,92,3,1:PRINT US
ING"###";m;:TAGOFF:RETURN
260 CLS#2:TAG:MOVE 490,290,1,1:PRINT"JOUEUR 2";:MOVE 49 >MB
0,288,3,1:PRINT"JOUEUR 2";
270 MOVE 506,260,2,1:PRINT"SCORE";:MOVE 508,260,1,1:PRI >RD
NT"SCORE";:MOVE 506,212,2,1:PRINT"VIE";:MOVE 508,212,1,
1:PRINT"VIE  ";:MOVE 506,164,2,1:PRINT"TABLEAU";:MOVE 5
08,164,1,1:PRINT"TABLEAU";
280 MOVE 506,116,2,1:PRINT"MARTEAU";:MOVE 508,116,1,1:P >MF
RINT"MARTEAU";:TAGOFF:GOSUB 290:GOSUB 300:GOSUB 310:GOS
UB 320:GOTO 2160
290 LOCATE#2,4,6:PAPER#2,0:PRINT#2,"         ":TAG:MOVE 5 >WC
42,238,1,1:PRINT USING"#####";cs;:MOVE 542,236,3,1:PRIN
T USING"#####";cs;:TAGOFF:RETURN
300 LOCATE#2,4,9:PAPER#2,0:PRINT#2,"         ":TAG:MOVE 5 >NF
74,190,1,1:PRINT USING"###";V1;:MOVE 574,188,3,1:PRINT
USING"###";V1;:TAGOFF:RETURN
310 LOCATE#2,4,12:PAPER#2,0:PRINT#2,"         ":TAG:MOVE >PE
574,142,1,1:PRINT USING"###";at;:MOVE 574,140,3,1:PRINT
 USING"###";at;:TAGOFF:RETURN
320 LOCATE#2,4,15:PAPER#2,0:PRINT#2,"         ":TAG:MOVE >KF
574,94,1,1:PRINT USING"###";m1;:MOVE 574,92,3,1:PRINT U
SING"###";m1;:TAGOFF:RETURN
330 GOTO 720                                            >ZB
340 SYMBOL AFTER 97                                     >NR
350 SYMBOL 97,0,7,15,31,15,7,0,0:SYMBOL 98,0,255,255,25 >ZJ
5,255,255,0,0:SYMBOL 99,0,224,240,248,240,224,0,0:SYMBO
L 100,0,0,0,31,0,0,0,0:SYMBOL 101,0,0,0,255,0,0,0,0:SYM
BOL 102,0,0,0,248,0,0,0,0
360 ff$=CHR$(97)+CHR$(98)+CHR$(99):ff1$=CHR$(100)+CHR$( >RZ
101)+CHR$(102)
370 SYMBOL 103,0,0,0,1,0,0,0,0:SYMBOL 104,0,126,255,255 >DY
,255,126,0,0:SYMBOL 105,0,0,0,128,0,0,0,0:SYMBOL 107,0,
0,0,255,0,0,0,0
380 ss$=CHR$(103)+CHR$(104)+CHR$(105):ss1$=CHR$(103)+CH >WK
R$(107)+CHR$(105)
390 SYMBOL 233,126,126,126,126,126,126,126,126:l1$=CHR$ >DZ
(233):SYMBOL 237,24,60,126,126,126,126,126,126:l2$=CHR$
(237):SYMBOL 238,126,126,126,126,126,126,60,24:l3$=CHR$
(238)
400 SYMBOL 239,0,0,0,255,0,0,0,0:p4$=CHR$(239)          >MA
410 SYMBOL 241,239,239,239,0,255,255,255,0:SYMBOL 242,2 >UU
47,247,247,0,127,127,127,0:SYMBOL 243,251,251,251,0,223
,223,223,0:mu1$=CHR$(241)+CHR$(242)+CHR$(243)
420 SYMBOL 244,16,16,16,255,0,0,0,255:SYMBOL 245,8,8,8, >TV
255,128,128,128,255:SYMBOL 246,4,4,4,255,32,32,32,255:m
u2$=CHR$(244)+CHR$(245)+CHR$(246)
430 SYMBOL 247,0,0,0,0,6,102,96,0:SYMBOL 248,96,24,20,3 >DM
6,32,0,0,0:ce1$=CHR$(247):ce2$=CHR$(248)
440 SYMBOL 108,36,36,36,255,255,255,0,0:pie$=CHR$(108)+ >YC
CHR$(108)+CHR$(108)
450 SYMBOL 249,12,12,12,12,12,12,127,63:ma$=CHR$(249)   >VF
460 SYMBOL 250,4,8,0,0,0,0,0,0:SYMBOL 251,0,0,28,60,126 >MH
,126,126,124:SYMBOL 252,0,0,0,0,8,16,0,0:po1$=CHR$(250)
:po2$=CHR$(251):po3$=CHR$(252)
470 SYMBOL 253,60,36,102,66,199,129,66,126:SYMBOL 254,0 >HD
,24,0,60,0,102,36,0:SYMBOL 255,0,0,24,24,24,24,0,0:ga1$
=CHR$(253):ga2$=CHR$(254):ga3$=CHR$(255)
480 SYMBOL 124,60,90,36,219,219,36,90,60:SYMBOL 125,0,0 >BX
,24,36,36,24,0,16:SYMBOL 126,0,36,195,0,0,195,36,0:v1$=
CHR$(124):v2$=CHR$(125):v3$=CHR$(126)
490 SYMBOL 240,24,24,24,24,24,24,24,24:l4$=CHR$(240)    >UL
500 SYMBOL 231,60,126,255,255,255,255,126,60:b2$=CHR$(2 >BL
31)
510 SYMBOL 234,0,0,0,24,24,0,0,0:bl$=CHR$(234)          >MC
520 SYMBOL 122,255,255,255,255,255,255,255,255:ef$=CHR$ >FP
(122)+CHR$(122)+CHR$(122)
530 SYMBOL 232,0,255,255,255,255,255,0,0:p1$=CHR$(232): >RF
SYMBOL 235,0,63,127,255,127,63,0,0:p2$=CHR$(235):SYMBOL
 236,0,252,254,255,254,252,0,0:p3$=CHR$(236)
540 re$=CHR$(8):de$=CHR$(10):coul$=CHR$(15)+CHR$(1):cou >CC
```

allo CPC infos



Attention, notez bien ce qui suit : tous les mercredis de 14 h. à 17 h, la rédaction se tiendra à votre disposition au **99.52.98.11** pour tous renseignements techniques. En dehors de ce créneau les réponses techniques se feront par courrier (n'oubliez pas de mentionner votre adresse et joignez un timbre pour la réponse) ou bien par Minitel sur le 3615 code :**MHZ**.

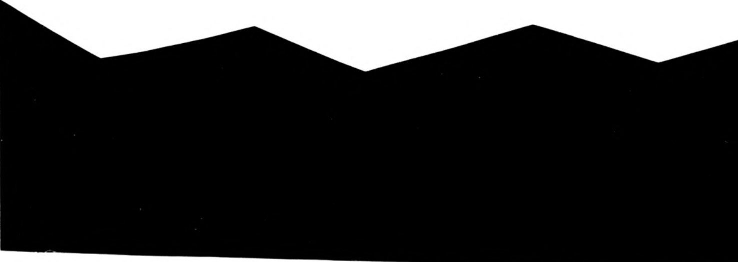


```
Ø$=CHR$(15)+CHR$(Ø):cou2$=CHR$(15)+CHR$(2):cou3$=CHR$(1
5)+CHR$(3)
550 ef1$=CHR$(122):tr$=CHR$(22)+CHR$(1)                 >FZ
560 b1$=couØ$+CHR$(122):b$=tr$+cou2$+b2$                >HG
570 b2$=couØ$+CHR$(122)                                 >QU
580 ps5$=tr$+cou2$+p2$+p1$+p3$+re$+re$+re$+cou1$+p4$+p4 >FY
$+p4$
590 ps1$=tr$+cou1$+p2$+p1$+p3$+re$+re$+re$+cou3$+p4$+p4 >FW
$+p4$
600 ps2$=tr$+cou1$+p2$+p1$+p3$+re$+re$+re$+cou2$+p4$+p4 >FM
$+p4$
610 v$=tr$+cou1$+v1$+re$+cou2$+v2$+re$+cou3$+v3$        >RB
620 ef$=tr$+couØ$+mu1$+re$+re$+re$+couØ$+mu2$           >PJ
630 mu$=tr$+cou3$+mu1$+re$+re$+re$+cou1$+mu2$           >PP
640 c$=tr$+cou3$+ce1$+re$+cou2$+ce2$                    >DT
650 m$=tr$+cou1$+ma$                                    >PU
660 ps3$=tr$+cou1$+ff$+re$+re$+re$+cou2$+ff1$           >NE
670 ps4$=tr$+cou1$+ss$+re$+re$+re$+cou2$+ss1$           >PE
680 g$=tr$+cou1$+ga1$+re$+cou2$+ga2$+re$+cou3$+ga3$     >VT
690 p$=tr$+cou3$+po1$+re$+cou2$+po2$+re$+cou1$+po3$     >WV
700 px$=tr$+cou3$+pie$                                  >RG
710 RETURN                                              >ZD
720 ON ta GOTO 730,740,750,760,770,780,790,800,810,820, >FD
830,840,850,860,870,880,890,900,910,920,930
730 RESTORE 2840:GOSUB 950:GOTO 1150                    >DE
740 RESTORE 2860:GOSUB 950:GOTO 1150                    >DH
750 RESTORE 2880:GOSUB 950:GOTO 1150                    >DL
760 RESTORE 2900:GOSUB 950:GOTO 1150                    >DE
770 RESTORE 2920:GOSUB 950:GOTO 1150                    >DH
780 RESTORE 2940:GOSUB 950:GOTO 1150                    >DL
790 RESTORE 2960:GOSUB 950:GOTO 1150                    >DP
800 RESTORE 2980:GOSUB 950:GOTO 1150                    >DH
810 RESTORE 3010:GOSUB 950:GOTO 1150                    >DT
820 RESTORE 3030:GOSUB 950:GOTO 1150                    >DW
830 RESTORE 3050:GOSUB 950:GOTO 1150                    >DZ
840 RESTORE 3070:GOSUB 950:GOTO 1150                    >DC
850 RESTORE 3090:GOSUB 950:GOTO 1150                    >DF
860 RESTORE 3110:GOSUB 950:GOTO 1150                    >DZ
870 RESTORE 3130:GOSUB 950:GOTO 1150                    >DC
880 RESTORE 3150:GOSUB 950:GOTO 1150                    >DF
890 RESTORE 3180:GOSUB 950:GOTO 1150                    >DK
900 RESTORE 3210:GOSUB 950:GOTO 1150                    >DV
910 RESTORE 3230:GOSUB 950:GOTO 1150                    >DY
920 RESTORE 3270:GOSUB 950:GOTO 1150                    >DD
930 RESTORE 3300:GOSUB 950:GOTO 1150                    >DY
940 END                                                 >TG
950 DIM j(40,25)                                        >YC
960 '                                                   >TF
970 READ t,q,w                                          >VG
980 INK Ø,Ø:INK 1,26:INK 2,11:INK 3,6                   >CL
990 READ x,y,a                                          >UJ
1000 IF a=6 THEN LOCATE x,y:PRINT ps2$:FOR x=x TO x+2:j >RG
(x,y)=6:NEXT x
1010 IF a=2 THEN LOCATE x,y:PRINT ps5$:FOR x=x TO x+2:j >RC
(x,y)=2:NEXT x
1020 IF a=5 THEN LOCATE x,y:PRINT b$:j(x,y)=5           >NY
1030 IF a=10 THEN LOCATE x,y:PRINT px$:FOR x=x TO x+2:j >TR
(x,y)=10:NEXT x
1040 IF a=1 THEN LOCATE x,y:PRINT v$:j(x,y)=1           >NN
1050 IF a=3 THEN LOCATE x,y:PRINT c$:j(x,y)=3           >NY
1060 IF a=7 THEN LOCATE x,y:PRINT m$:j(x,y)=7           >NU
1070 IF a=8 THEN LOCATE x,y:PRINT g$:j(x,y)=8           >NQ
1080 IF a=9 THEN LOCATE x,y:PRINT p$:j(x,y)=9           >ND
1090 IF a=4 THEN LOCATE x,y:PRINT mu$:FOR x=x TO x+2:j( >QV
x,y)=4:NEXT x
1100 IF a=12 THEN LOCATE x,y:PRINT ps1$:FOR x=x TO x+2: >UF
j(x,y)=12:NEXT x
1110 IF a=16 THEN LOCATE x,y:PRINT ps4$:FOR x=x TO x+2: >VK
j(x,y)=16:NEXT x
1120 IF a=15 THEN LOCATE x,y:PRINT ps3$:FOR x=x TO x+2: >VH
j(x,y)=15:NEXT x
1130 IF a=-1 THEN RETURN                                >RH
1140 GOTO 990                                           >FK
1150 BORDER Ø:INK Ø,Ø:INK 1,26:INK 2,11:INK 3,6         >MD
1160 '                                                  >YA
1170 '                                                  >YB
1180 w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO 60:NEXT i:LOC >WR
ATE q,w:PRINT b1$
1190 IF INKEY(1)*INKEY(75)=Ø THEN q=q+3:IF q>29 THEN q= >XE
q-1:GOSUB 1530:GOTO 1240:ELSE IF j(q,w)=4 OR j(q,w)=12
OR j(q,w)=6 OR j(q,w)=15 OR j(q,w)=16 OR j(q,w)=2 OR j(
q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760
1200 IF INKEY(8)*INKEY(74)=Ø THEN q=q-3:IF q<2 THEN GOS >DQ
UB 1530:GOTO 1240:ELSE IF j(q,w)=15 OR j(q,w)=16 OR j(q
,w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j(q,w)=10
 THEN q=q+3:GOSUB 1530:GOSUB 1770
1210 IF INKEY(47)*INKEY(76)=Ø THEN GOTO 1390            >LG
1220 IF w=w+1 THEN w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO >QN
 60:NEXT i:LOCATE q,w:PRINT b1$
1230 '                                                  >XJ
1240 w=w+1                                              >MG
1250 IF w>=25 THEN CLS:GOTO 1730                        >ZP
1260 LOCATE q,w:PRINT b$:FOR i=1 TO 10:NEXT i:LOCATE q, >NZ
w:PRINT b1$
1270 IF j(q,w)=7 THEN xc=xc+3:m=m+1:GOSUB 1570          >ND
1280 IF j(q,w)=1 THEN v=v+1:GOSUB 1590                  >EK
1290 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 161 >XE
Ø
1300 IF j(q,w+1)=2 THEN GOSUB 1670:w=w+1:GOTO 1240      >TA
1310 IF j(q,w+1)=10 THEN SOUND 1,300,35,1,1,,10:GOTO 16 >ZC
90
1320 IF j(q,w+1)=6 THEN GOSUB 1520:GOTO 2780            >KA
1330 IF j(q,w+1)=15  THEN GOSUB 1520:GOTO 2800          >LF
1340 IF j(q,w+1)=16  THEN GOSUB 1520:GOTO 2820          >LK
1350 IF j(q,w+1)=4 THEN GOTO 3350                       >ZM
1360 '                                                  >YC
1370 IF j(q,w+1)=12 THEN GOSUB 1520:GOTO 1160:ELSE GOTO >CQ
 1240
1380 GOTO 1240                                          >MG
1390 '                                                  >YF
1400 LOCATE q,w:PRINT b$:FOR i=1 TO 10:NEXT i:LOCATE q, >NV
w:PRINT b1$
1410 IF INKEY(1)*INKEY(75)=Ø THEN q=q+3:IF q>29 THEN q= >ZD
q-1:GOSUB 1530:GOTO 1240:ELSE IF j(q,w)=15 OR j(q,w)=16
 OR j(q,w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j(
q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760:GOTO 1240
1420 IF INKEY(8)*INKEY(74)=Ø THEN q=q-3:IF q<2 THEN GOS >EW
UB 1530:GOTO 1240:ELSE IF j(q,w)=15 OR j(q,w)=16 OR j(q
```



```
,w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j(q,w)=10
 THEN q=q+3:GOSUB 1530:GOSUB 1770:GOTO 1240
1430 w=w-1:IF w<=2 THEN GOSUB 1530:GOTO 1240           >LE
1440 IF INKEY(73)*INKEY(2)=0 THEN 1240                 >EC
1450 IF j(q,w)=7 THEN xc=xc+3:m=m+1:GOSUB 1570         >ND
1460 IF j(q,w)=1 THEN v=v+1:GOSUB 1590                 >EK
1470 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 161 >XE
0
1480 IF xc>1 AND j(q,w)=4 THEN 2760                    >AZ
1490 IF j(q,w)=4 OR j(q,w)=12 OR j(q,w)=6 OR j(q,w)=15 >JA
OR j(q,w)=16 OR j(q,w)=2 OR j(q,w)=10 THEN GOSUB 1530:G
OTO 1240
1500 '                                                 >XJ
1510 GOTO 1390                                         >MH
1520 SOUND 1,180,10,10,8:RETURN                        >ZT
1530 SOUND 2,478,60,15,1,1:RETURN                      >BN
1540 SOUND 1,1950,25,15,15:RETURN                      >BU
1550 SOUND 1,2500,15:RETURN                            >WM
1560 SOUND 1,15,25,15,1,15:j(q,w)=0:RETURN             >KQ
1570 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 250:RETURN   >XL
1580 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 320:RETURN   >XK
1590 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 230:RETURN   >XL
1600 SOUND 1,15,25,15,1,15:j(q,w)=0:GOSUB 300:RETURN   >XA
1610 SOUND 1,15,25,15,1,15:j(q,w)=0:tt=tt+1:C=C+10:SC=S >PU
C+C:tp=tp+c:c=0:GOSUB 220:IF tt=t THEN GOSUB 1630:CLS:E
RASE j:ta=ta+1:IF ta>21 THEN GOTO 2100:ELSE tt=0:tp=0:x
c=1:m=0:GOSUB 240:GOSUB 250:GOTO 720:ELSE RETURN
1620 SOUND 1,15,25,15,1,15:j(q,w)=0:tt=tt+1:C=C+10:cs=c >VW
s+C:tp=tp+c:c=0:GOSUB 290:IF tt=t THEN GOSUB 1630:CLS:E
RASE j:at=at+1:IF at>21 THEN GOTO 2100:ELSE tt=0:tp=0:c
x=1:m1=0:GOSUB 310:GOSUB 320:GOTO 2160:ELSE RETURN
1630 ENT 1,20,-6,1,1,120,1,20,-3,1,40,3,1:SOUND 1,119,8 >TT
1,15,,1:FOR i=1 TO 15:NEXT i:RETURN
1640 FOR i=1 TO 50:NEXT i:LOCATE q,w:PRINT b1$:RETURN E >NF
LSE RETURN
1650 RETURN                                            >FF
1660 SOUND 1,3500,15,1,1,1:RETURN                      >AH
1670 FOR n=250 TO 1 STEP -20:SOUND 5,n,2.5,15:NEXT:w=w+ >K6
1:RETURN
1680 FOR n=250 TO 1 STEP -20:SOUND 5,n,2.5,15:NEXT:GOTO >DW
 2480
1690 FOR n=1500 TO 50 STEP -50:SOUND 5,n,1.5,15:NEXT:FO >GL
R i=1 TO 500:NEXT i:CLS:SC=SC-TP:tp=0:tt=0:xc=1:tc=0:ta
=ta:GOSUB 220:V=V-1:GOSUB 230:m=0:GOSUB 250:ERASE j:IF
v<1 THEN sc=0:ta=1:v=3:xc=1:m=0:GOSUB 220:GOSUB 230:GOS
UB 240:GOSUB 250
1700 IF jo=1 THEN GOTO 190:ELSE GOTO 260:ELSE GOTO 260 >WZ
1710 FOR n=1500 TO 50 STEP -50:SOUND 5,n,1.5,15:NEXT:FO >TC
R i=1 TO 500:NEXT i:CLS:cs=cs-TP:tp=0:tt=0:cx=1:ct=0:at
=at:GOSUB 290:V1=V1-1:GOSUB 300:m1=0:GOSUB 320:ERASE j
1720 IF v1<1 THEN cs=0:at=1:v1=3:cx=1:m1=0:GOSUB 290:GO >VN
SUB 300:GOSUB 310:GOSUB 320:GOTO 190:ELSE GOTO 190
1730 FOR n=100 TO 1500 STEP 50:SOUND 5,n,1.5,15:NEXT:SC >EZ
=SC-TP:tp=0:tt=0:m=0:xc=1:tc=0:GOSUB 220:V=V-1:GOSUB 23
0:GOSUB 250:ERASE j:IF v<1 THEN sc=0:ta=1:v=3:xc=1:m=0:
tc=0:GOSUB 220:GOSUB 230:GOSUB 240:GOSUB 250
1740 IF jo=1 THEN GOTO 190:ELSE GOTO 260:ELSE GOTO 260 >WD
1750 FOR n=2500 TO 1500 STEP -50:SOUND 5,n,1.5,15:NEXT: >LW
cs=cs-TP:tp=0:tt=0:cx=1:ct=0:m1=0:GOSUB 290:V1=V1-1:GOS
UB 300:ERASE j:IF v1<1 THEN cs=0:at=1:v1=3:cx=1:m1=0:ct
=0:GOSUB 290:GOSUB 300:GOSUB 310:GOSUB 320:GOTO 190:ELS
E GOTO 190
1760 q=q+1:LOCATE q,w:PRINT b$:FOR i=1 TO 50:NEXT i:LOC >CY
ATE q,w:PRINT b1$:q=q-1:LOCATE q,w:PRINT b$:FOR i=1 TO
50:NEXT i:LOCATE q,w:PRINT b1$:RETURN
1770 q=q-1:LOCATE q,w:PRINT b$:FOR i=1 TO 50:NEXT i:LOC >CZ
ATE q,w:PRINT b1$:q=q+1:LOCATE q,w:PRINT b$:FOR i=1 TO
50:NEXT i:LOCATE q,w:PRINT b1$:RETURN
1780 '                                                 >YJ
1790 MODE 1:INK 0,0:INK 1,0:INK 2,0:INK 3,0:BORDER 0:PA >HA
PER 0:PEN 1:CLS:DIM j(40,25)
1800 '                                                 >YB
1810 x=19:y=24:LOCATE#1,x,y:PRINT#1,ps2$:FOR x=x TO x+2 >XY
:j(x,y)=12:NEXT
1820 PEN 3:LOCATE 2,2:PRINT "RENE BONCOURRE & CPC INFOS >VX
 PRESENTENT"
1830 PEN 2:LOCATE 2,4:PRINT "          REMAKE III AND PYM >CA
BU
1840 PEN 1:LOCATE 2,6:PRINT "MAINTENANT TOUTES LES EPRE >LA
UVES
1850 LOCATE 2,7:PRINT "SONT REUNIES DANS CHAQUE TABLEAU >GX
X.
1860 LOCATE 2,8:PRINT "PLATES-FORMES POREUSES.PLATES-FO >LD
RMES
1870 LOCATE 2,9:PRINT "RETRESSISSANTES.PIEUX MORTELS   >DF
1880 LOCATE 2,10:PRINT "MURS A CASSER.MARTEAUX A PRENDR >FJ
E
1890 LOCATE 2,11:PRINT "LES FRUITS A RAMASSER.UNE VIE A >DR

1900 LOCATE 2,12:PRINT "SAISIR.ET TOUJOURS LA CHUTE    >AU
1910 LOCATE 3,13:PRINT "INCONTROLEE.BONNE CHANCE       >VU
1920 LOCATE 3,18:PEN 2:PRINT "        PRET POUR L'AVENTU >LL
RE? O/N
1930 LOCATE 3,15:PEN 3:PRINT "         JOYSTICK / CLAVIE >BF
R
1940 INK 0,0:INK 1,26:INK 2,11:INK 3,6:BORDER 0:PAPER 0 >TT
:PEN 1:q=20:w=23
1950 w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO 70:NEXT i:LOC >WZ
ATE q,w:PRINT b2$
1960 IF INKEY(34)=0 THEN GOTO 2060                     >AF
1970 IF INKEY(46)=0 THEN CLS#1::GOTO 1830              >HY
1980 '                                                 >ZA
1990 IF w=w+1 THEN w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO >QF
 70:NEXT i:LOCATE q,w:PRINT b2$
2000 IF INKEY(14)=0 THEN GOTO 2070                     >AP
2010 IF INKEY(13)=0 THEN GOTO 2080                     >AQ
2020 w=w+1:LOCATE q,w:PRINT b$:FOR i=1 TO 70:NEXT i:LOC >WK
ATE q,w:PRINT b2$
```

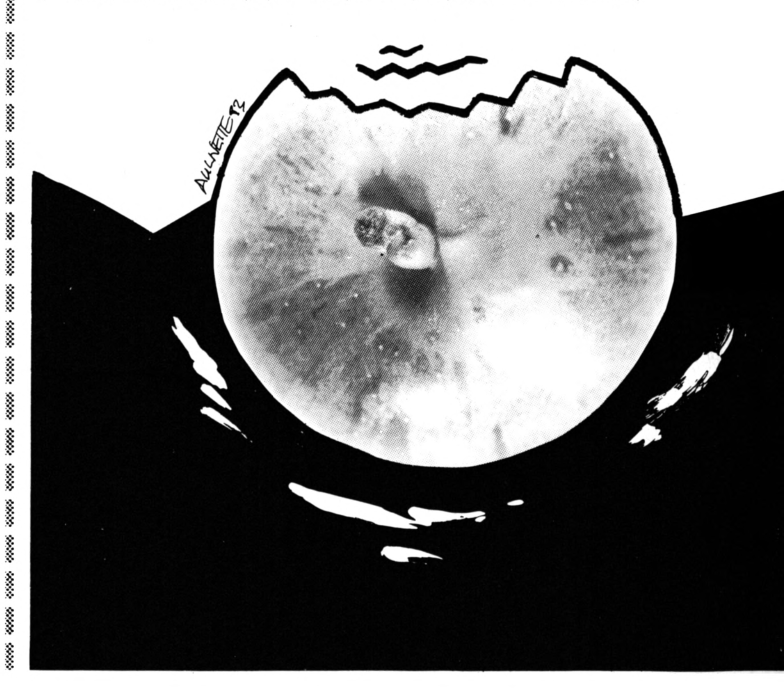




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2030 IF j(q,w+1)=12 THEN GOSUB 1520:GOTO 1950                    >LG
2040 GOTO 2020                                                    >LH
2050 END                                                          >YF
2060 TAG:MOVE 154,100,3,1:PRINT"COMBIEN DE JOUEUR 1/2";           >DG
:MOVE 156,102,1,1:PRINT"COMBIEN DE JOUEUR 1/2";:TAGOFF:
GOTO 1940
2070 jo=0:t=0:v1=v1:cs=cs:at=1:ta=1:SC=sc:V=v:C=0:TP=0:           >WA
tt=0:xc=1:cx=1:cv=1:m=0:m1=0:ERASE J:GOTO 120
2080 jo=1:t=0:v1=v1:cs=cs:at=1:ta=1:SC=sc:V=v:C=0:TP=0:           >WC
tt=0:xc=1:cx=1:cv=1:m=0:m1=0:ERASE J:GOTO 120
2090 GOTO 2070                                                    >MH
2100 CLS:TAG                                                      >JC
2110 MOVE 50,250,2,3:PRINT"VOUS AVEZ REUSSI BRAVO";:MOV           >UF
E 50,252,1,3:PRINT"VOUS AVEZ REUSSI BRAVO";
2120 MOVE 50,200,2,3:PRINT"UNE AUTRE PARTIE ? O/N ";:MO           >GG
VE 50,202,1,3:PRINT"UNE AUTRE PARTIE ? O/N ";:TAGOFF
2130 IF INKEY(34)=0 THEN GOTO 2060                                >AV
2140 IF INKEY(46)=0 THEN CLS:GOTO 1790                            >EM
2150 GOTO 2130                                                    >MB
2160 ON at GOTO 2170,2180,2190,2200,2210,2220,2230,2240           >TR
,2250,2260,2270,2280,2290,2300,2310,2320,2330,2340,2350
,2360,2370
2170 RESTORE 2840:GOSUB 950:GOTO 2390                             >ER
2180 RESTORE 2860:GOSUB 950:GOTO 2390                             >EV
2190 RESTORE 2880:GOSUB 950:GOTO 2390                             >EY
2200 RESTORE 2900:GOSUB 950:GOTO 2390                             >EG
2210 RESTORE 2920:GOSUB 950:GOTO 2390                             >EK
2220 RESTORE 2940:GOSUB 950:GOTO 2390                             >EN
2230 RESTORE 2960:GOSUB 950:GOTO 2390                             >ER
2240 RESTORE 2980:GOSUB 950:GOTO 2390                             >EV
2250 RESTORE 3010:GOSUB 950:GOTO 2390                             >EE
2260 RESTORE 3030:GOSUB 950:GOTO 2390                             >EH
2270 RESTORE 3050:GOSUB 950:GOTO 2390                             >EL
2280 RESTORE 3070:GOSUB 950:GOTO 2390                             >EP
2290 RESTORE 3090:GOSUB 950:GOTO 2390                             >ET
2300 RESTORE 3110:GOSUB 950:GOTO 2390                             >EB
2310 RESTORE 3130:GOSUB 950:GOTO 2390                             >EE
2320 RESTORE 3150:GOSUB 950:GOTO 2390                             >EH
2330 RESTORE 3180:GOSUB 950:GOTO 2390                             >EM
2340 RESTORE 3210:GOSUB 950:GOTO 2390                             >EG
2350 RESTORE 3230:GOSUB 950:GOTO 2390                             >EK
2360 RESTORE 3270:GOSUB 950:GOTO 2390                             >EQ
2370 RESTORE 3300:GOSUB 950:GOTO 2390                             >EK
2380 END                                                          >ZB
2390 '                                                            >YG
2400 '                                                            >XJ
2410 w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO 60:NEXT i:LOC           >WN
ATE q,w:PRINT b1$
2420 IF INKEY(1)*INKEY(75)=0 THEN q=q+3:IF q>29 THEN q=           >ZC
q-1:GOSUB 1530:GOTO 2480:ELSE IF j(q,w)=4 OR j(q,w)=12
OR j(q,w)=6 OR j(q,w)=15 OR j(q,w)=16 OR j(q,w)=2 OR j(
q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760:GOTO 2480
2430 IF INKEY(8)*INKEY(74)=0 THEN q=q-3:IF q<2 THEN GOS           >FG
UB 1530:GOTO 2480:ELSE IF j(q,w)=12 OR j(q,w)=4 OR j(q,
w)=15 OR j(q,w)=6 OR j(q,w)=16 OR j(q,w)=2 OR j(q,w)=10
 THEN q=q+3:GOSUB 1530:GOSUB 1770:GOTO 2480
2440 '                                                            >YC
2450 IF INKEY(47)*INKEY(76)=0 THEN GOTO 2630                      >LM
2460 IF w=w+1 THEN w=w-1:LOCATE q,w:PRINT b$:FOR i=1 TO           >QW
60:NEXT i:LOCATE q,w:PRINT b1$
2470 '                                                            >YF
2480 w=w+1                                                        >ND
2490 IF w>=25 THEN CLS:GOTO 1750                                  >ZZ
2500 LOCATE q,w:PRINT b$:FOR i=1 TO 10:NEXT i:LOCATE q,           >NX
w:PRINT b1$
2510 IF j(q,w)=7 THEN cx=cx+3:m1=m1+1:GOSUB 1580                  >QT
2520 IF j(q,w)=1 THEN v1=v1+1:GOSUB 1600                          >GX
2530 IF j(q,w+1)=10 THEN SOUND 1,300,35,1,1,,10:GOTO 17           >ZA
10
2540 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 162           >XE
0
2550 IF j(q,w+1)=2 THEN GOSUB 1670:w=w+1:GOTO 2480                >TR
2560 IF j(q,w+1)=6 THEN GOSUB 1520:GOTO 2790                      >KJ
2570 IF j(q,w+1)=15  THEN GOSUB 1520:GOTO 2810                    >LP
2580 IF j(q,w+1)=16  THEN GOSUB 1520:GOTO 2830                    >LU
2590 IF j(q,w+1)=4 THEN GOTO 3370                                 >ZX
2600 '                                                            >YA
2610 IF j(q,w+1)=12 THEN GOSUB 1520:GOTO 2410:ELSE GOTO           >CV
 2480
2620 GOTO 1240                                                    >ME
2630 '                                                            >YD
2640 LOCATE q,w:PRINT b$:FOR i=1 TO 10:NEXT i:LOCATE q,           >NC
w:PRINT b1$
2650 IF INKEY(1)*INKEY(75)=0 THEN q=q+3:IF q>29 THEN q=           >ZB
q-1:GOSUB 1530:GOTO 2480:ELSE IF j(q,w)=15 OR j(q,w)=16
 OR j(q,w)=4 OR j(q,w)=6 OR j(q,w)=12 OR j(q,w)=2 OR j(
q,w)=10 THEN q=q-3:GOSUB 1530:GOSUB 1760:GOTO 2480
2660 IF INKEY(8)*INKEY(74)=0 THEN q=q-3:IF q<2 THEN GOS           >FM
UB 1530:GOTO 2460:ELSE IF j(q,w)=6 OR j(q,w)=15 OR j(q,
w)=16 OR j(q,w)=4 OR j(q,w)=12 OR j(q,w)=2 OR j(q,w)=10
 THEN q=q+3:GOSUB 1530:GOSUB 1770:GOTO 2480
2670 w=w-1:IF w<=2 THEN GOSUB 1530:GOTO 2480                      >LV
2680 IF INKEY(73)*INKEY(2)=0 THEN 2480                            >ET
2690 IF j(q,w)=7 THEN cx=cx+3:m1=m1+1:GOSUB 1580                  >QC
2700 IF j(q,w)=1 THEN v1=v1+1:GOSUB 1590                          >GF
2710 IF j(q,w)=3 OR j(q,w)=8 OR j(q,w)=9 THEN GOSUB 162           >XD
0
2720 IF cx>1 AND j(q,w)=4 THEN 2770                               >AY
2730 IF j(q,w)=4 OR j(q,w)=12 OR j(q,w)=6 OR j(q,w)=15            >JF
OR j(q,w)=16 OR j(q,w)=2 OR j(q,w)=10 THEN GOSUB 1530:G
OTO 2480
2740 GOTO 2630                                                    >NB
2750 GOSUB 260:RETURN                                             >QD
2760 SOUND 1,3822,30,15,1,,2:LOCATE q-1,w:PRINT ef$:j(q           >UP
,w)=0:xc=xc-1:tc=tc+1:IF tc>=3 THEN m=m-1:GOSUB 250:tc=
0:IF xc<=0 THEN m=0:GOSUB 250:GOTO 1240:ELSE 1240 ELSE
1240
2770 SOUND 1,3822,30,15,1,,2:LOCATE q-1,w:PRINT ef$:j(q           >BQ
,w)=0:cx=cx-1:ct=ct+1:IF ct>=3 THEN m1=m1-1:GOSUB 320:c
t=0:IF cx<=0 THEN m1=0:GOSUB 320:GOTO 2480:ELSE 2480 EL
SE 2480
2780 LOCATE q-1,w+1:PRINT ef$:j(q-1,w+1)=0:LOCATE q-1,w           >JP
+1:PRINT ps3$:x=q-1:y=w+1:FOR x=x TO x+2:j(x,y)=15:NEXT
:w=w:GOTO 1160
2790 LOCATE q-1,w+1:PRINT ef$:j(q-1,w+1)=0:LOCATE q-1,w           >JP
+1:PRINT ps3$:x=q-1:y=w+1:FOR x=x TO x+2:j(x,y)=15:NEXT
:w=w:GOTO 2410
2800 LOCATE q-1,w+1:PRINT ef$:j(q-1,w+1)=0:LOCATE q-1,w           >JJ
```

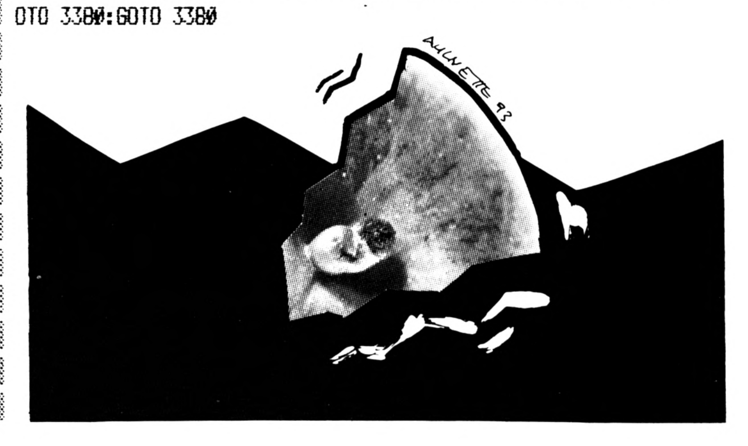


```
+1:PRINT ps4$:x=q-1:y=w+1:FOR x=x TO x+2:j(x,y)=16:NEXT
:w=w:GOTO 116Ø
281Ø LOCATE q-1,w+1:PRINT ef$:j(q-1,w+1)=Ø:LOCATE q-1,w >JJ
+1:PRINT ps4$:x=q-1:y=w+1:FOR x=x TO x+2:j(x,v)=16:NEXT
:w=w:GOTO 241Ø
282Ø LOCATE q-1,w+1:PRINT ef$:x=q-1:y=w+1:FOR x=x TO x+ >JF
2:j(x,v)=Ø:NEXT:GOTO 116Ø
283Ø LOCATE q-1.w+1:PRINT ef$:x=q-1:y=w+1:FOR x=x TO x+ >JF
2:j(x,v)=Ø:NEXT:GOTO 241Ø
284Ø DATA 17,19,8,3,13,2,9,13,2,15,13,2,21,13,2,27,13,2 >NK
,3,9,4,3,8,4,9,9,4,9,8,4,15,9,4,15,8,4,21,9,4,21,8,4,27
,9,4,27,8,4,27,5,16,21,5,16,15,5,16,28,4,7,22,4,7,16,4,
7,28,7,9,22,7,9,22,21,3,19,21,3,16,21,3,13,21,3,1Ø,21,3
,7,21,3,4,21,1,7,9,8,13,9,8
285Ø DATA 25,9,8,22,16,8,18,1Ø,12,16,7,9,4,7,9,1Ø,7,9,3 >GN
,17,6,9,17,6,15,17,6,21,17,6,27,17,6,6,19,15,12,19,15,1
8,19,15,24,19,15,27,22,16,24,22,16,21,22,16,18,22,16,15
,22,16,12,22,16,9,22,16,6,22,16,3,22,16,28,21,3,25,21,3
,-1,-1,-1
286Ø DATA 12,28,4,15,11,2,15,14,4,15,15,4,16,1Ø,8,16,13 >QN
,3,15,19,15,18,21,16,3,24,16,6,22,16,3,2Ø,16,6,18,16,3,
16,16,6,14,16,9,12,2,1Ø,11,8,9,24,15,3,12,16,12,9,15,4,
23,9,4,19,9,7,21,9,4,15,9,7,17,9
287Ø DATA 7,13,9,4,11,9,1Ø,23,7,27,24,16,24,22,16,21,16 >RR
,16,28,23,1,21,18,1Ø,27,6,12,12,13,4,12,12,4,18,13,4,18
,12,4,12,11,4,12,1Ø,4,18,11,4,18,1Ø,4,18,9,15,13,8,8,19
,8,8,-1,-1,-1
288Ø DATA 6,25,3,12,24,15,6,13,4,6,12,4,6,9,2,9,11,4,9, >CA
1Ø,4,9,9,4,7,11,9,9,16,6,9,19,16,6,19,6,12,9,15,12,13,2
,13,8,8,12,16,4,13,15,9,15,22,16,1Ø,8,9,18,24,16,18,16,
1Ø,15,11,1Ø,27,5,16,24,5,12
289Ø DATA 27,9,2,24,9,15,27,13,16,24,13,2,24,18,1Ø,21,2 >EM
4,16,27,24,6,28,4,7,28,12,7,25,12,3,13,12,3,7,8,1,-1,-1
,-1
29ØØ DATA 11,4,19,27,5,16,24,5,16,21,5,16,18,5,16,15,5, >KF
16,12,5,16,9,5,16,6,5,16,27,8,1Ø,24,8,2,21,8,16,18,8,16
,15,8,2,12,8,15,9,8,2,24,12,12,15,12,4,15,16,15,18,16,1
Ø,21,16,2,9,12,16,6,8,4,9,16,4
291Ø DATA 6,12,15,6,16,2,12,2Ø,1Ø,9,2Ø,15,28,4,9,25,4,9 >JU
,22,4,9,19,4,9,16,4,9,13,4,9,1Ø,4,9,7,4,9,7,7,3,22,7,7,
1Ø,11,7,16,11,3,1Ø,15,3,27,24,16,21,24,16,15,24,16,9,24
,16,3,24,12,-1,-1,-1
292Ø DATA 8,25,6,3,9,6,6,11,2,9,13,15,6,15,16,3,17,2,3, >ME
21,15,9,9,2,6,23,16,9,21,2,9,17,16,15,9,4,15,8,4,15,7,4
,12,23,16,15,13,6,27,9,6,21,9,2,24,11,2,21,13,15,24,15,
16,21,17,16
293Ø DATA 21,21,2,24,23,16,18,23,16,27,21,15,27,17,2,24 >UH
,7,12,7,22,7,16,6,3,12,6,4,18,6,4,15,5,4,4,2Ø,9,28,2Ø,9
,25,22,8,15,23,16,1Ø,12,9,22,12,9,4,8,8,28,8,8,7,14,7,1
6,4, 1,-1,-1,-1
294Ø DATA 16,22,3,3,12,2,9,12,2,15,12,2,21,12,2,27,12,2 >QF
,3,15,4,9,15,4,15,15,4,27,15,4,21,15,4,3,9,4,9,9,4,15,9
,4,21,9,4,27,9,4,4,14,9,28,14,9,22,14,9,16,14,9,1Ø,14,9
,28,8,3,22,8,3,16,8,3,25,2Ø,8,21,6,12,7,9,8,13,9,8,18,1
2,1Ø,18,4,1Ø
295Ø DATA 1Ø,8,3,4,8,3,3,19,6,27,19,6,21,19,6,15,19,6,9 >GW
,19,6,6,21,16,12,21,16,18,21,16,24,21,16,9,23,16,15,23,
16,21,24,16,27,24,16,28,23,1,22,23,7,16,22,7,1Ø,22,7,24
,24,16,7,2Ø,8,13,2Ø,8,19,2Ø,8,-1,-1,-1
296Ø DATA 13,7,3,9,15,4,9,14,4,12,12,4,12,11,4,15,9,4,1 >NQ
5,8,4,18,11,4,18,12,4,21,15,4,21,14,4,22,13,9,19,1Ø,9,1
6,7,8,13,1Ø,3,1Ø,13,3,12,16,15,15,13,15,18,16,15,9,19,1
5,21,19,15,6,14,12,27,24,16,21,24,16,25,9,3,3,11,16,4,1
Ø,3
297Ø DATA 16,12,7,18,24,16,15,24,16,12,24,16,9,24,16,3, >YA
14,12,27,14,2,3,24,16,3,21,16,15,19,2,3,18,16,6,21,2,27
,8,16,4,23,9,4,2Ø,9,4,17,9,1Ø,23,7,28,7,7,28,23,1,16,23
,8,19,23,8,16,18,3,24,14,2,24,1Ø,16,-1,-1,-1
298Ø DATA 2Ø,28,21,3,6,12,6,6,2,9,6,6,12,6,6,18,6,4,21, >ND
6,6,24,6,6,27,6,4,27,1Ø,15,21,1Ø,16,18,1Ø,15,15,1Ø,1Ø,3
,1Ø,6,6,1Ø,16,9,1Ø,15,6,14,6,9,14,2,12,14,4,18,14,4,21,
14,6,24,14,2,27,14,6,3,18,6,6,18,2,9,18,16,12,18,15,15,
18,2,3,24,2,6,24,15,9,24,1Ø
299Ø DATA 12,24,6,15,24,16,18,24,15,24,24,6,27,24,12,4, >BZ
21,9,7,23,3,16,23,3,25,23,7,27,18,4,28,17,9,24,18,4,21,
18,16,4,17,8,13,17,3,25,17,9,19,13,9,13,13,9,7,13,3,28,
13,8,19,5,1,28,5,1,4,9,9,7,9,7,1Ø,9,3,28,9,9,25,5,3,22,
5,3,19,9,8,1Ø,5,8,1Ø,13,8,7,5,9
3ØØØ DATA -1,-1,-1                                      >LD
3Ø1Ø DATA 9,28,12,15,7,12,12,9,6,9,11,15,12,13,2,12,16, >BZ
16,6,13,16,9,16,2,3,13,4,3,14,4,3,18,15,6,2Ø,16,12,2Ø,2
,9,24,16,15,11,15,18,9,6,21,11,15,18,13,2,21,16,2,18,16
,16,24,9,1Ø,27,7,15,27,9,12,27,13,16
3Ø2Ø DATA 24,16,15,21,2Ø,16,18,22,1Ø,24,25,16,27,23,12, >ZL
27,16,12,9,7,4,9,6,4,4,12,7,1Ø,5,3,13,15,7,28,6,9,16,1Ø
,1,19,15,9,28,12,9,25,24,8,22,19,8,9,4,4,1Ø,23,8,7,19,8
,7,12,9,-1,-1,-1
3Ø3Ø DATA 12,7,4,3,8,2,6,13,2,6,1Ø,15,3,13,16,3,17,2,9, >FN
17,1Ø,6,19,16,12,17,2,12,2Ø,1Ø,12,24,15,9,13,16,9,8,2,1
2,8,15,12,13,1Ø,15,17,1Ø,15,13,16,15,8,2,18,13,2,18,8,1
6,21,8,1Ø,24,8,15,27,8,2,21,13,4,21,24,16
3Ø4Ø DATA 18,17,15,21,17,15,27,13,16,15,24,16,27,17,15, >EV
24,2Ø,2,4,12,7,7,18,3,16,23,3,1Ø,12,3,16,12,3,28,12,3,1
9,7,3,25,7,9,13,7,9,28,16,9,19,16,9,13,23,9,1Ø,7,1,28,7
,8,6,6,12,-1,-1,-1
3Ø5Ø DATA 6,13,4,15,11,4,15,1Ø,4,15,9,4,15,15,6,15,18,1 >QE
6,18,15,1Ø,12,15,1Ø,3,6,15,6,6,2,3,1Ø,2,6,1Ø,15,6,14,2,
```





```
3,14,15,6,20,10,9,24,16,12,9,2,18,9,2,18,6,15,24,9,16,2
4,15,10,27,15,16,21,24,15,15,22,2,12,6,12,16,8,1,4,13,3
,7,9,3,4,5,3,28,14,7,10,23,9
3060 DATA 25,8,9,22,23,8,-1,-1,-1                        >YP
3070 DATA 10,19,14,15,10,2,15,13,4,15,17,16,28,8,9,16,1 >ZT
2,7,21,13,6,21,8,4,21,7,4,22,6,1,24,11,10,27,9,16,15,7,
15,16,6,7,9,7,16,6,9,16,12,13,16,3,15,16,6,15,2,6,24,16
,9,24,16,12,24,16,15,24,16,21,24,16
3080 DATA 24,24,16,27,24,10,27,19,16,28,18,7,27,5,4,28, >XK
4,9,9,21,16,9,15,4,9,16,4,10,14,9,12,4,4,13,3,9,10,6,3,
7,8,3,4,14,3,7,23,3,22,23,3,13,23,3,18,19,6,18,22,2,-1,
-1,-1
3090 DATA 9,4,20,12,11,4,15,10,4,15,12,4,16,11,3,18,11, >NH
15,15,16,15,12,18,15,18,14,2,13,10,9,16,9,9,12,12,4,21,
9,10,24,9,10,27,9,10,27,6,16,24,6,16,21,6,16,28,5,7,25,
5,7,22,5,7,12,9,4,9,10,4,9,11,4
3100 DATA 10,9,9,13,8,9,9,16,15,12,21,16,3,24,12,10,7,9 >BZ
,9,8,4,6,9,10,18,24,6,25,12,3,25,15,3,9,24,16,25,18,3,2
8,21,1,-1,-1,-1
3110 DATA 10,28,7,3,5,4,6,6,4,9,7,4,12,8,4,15,9,4,18,10 >GX
,4,3,17,4,6,16,4,9,15,4,12,14,4,15,13,4,18,12,4,3,9,15,
6,11,15,9,13,15,4,16,3,7,15,3,10,14,3,13,13,3,16,12,3,1
9,9,9,16,8,9,13,7,7
3120 DATA 7,5,7,10,6,9,4,4,9,15,6,2,3,23,15,6,21,15,9,1 >RP
9,15,12,17,16,12,21,16,15,17,2,15,21,15,15,24,16,27,24,
16,24,24,16,27,10,12,24,10,10,21,24,16,28,23,7,25,23,8,
16,5,1,22,23,7,-1,-1,-1
3130 DATA 8,28,5,15,20,4,15,19,4,15,18,4,15,17,4,15,16, >JU
4,15,15,4,15,14,4,15,13,4,15,12,4,15,11,4,15,10,4,15,9,
4,15,8,4,15,7,4,15,6,4,12,10,4,18,16,4,12,7,6,3,24,6,18
,13,2,12,4,2,18,5,16
3140 DATA 9,7,2,9,12,10,12,14,15,9,10,16,18,20,15,12,17 >EJ
,4,12,21,15,21,11,15,24,24,16,27,6,12,13,9,3,19,15,3,13
,16,3,19,4,9,10,9,9,25,23,7,21,24,10,16,4,8,9,25,16,10,
24,1,10,6,8,19,12,8,-1,-1,-1
3150 DATA 20,16,23,27,5,16,24,5,2,21,5,16,18,5,2,15,5,1 >NR
6,12,5,2,27,9,2,24,9,16,21,9,2,18,9,16,15,9,2,12,9,4,27
,13,16,24,13,2,21,13,16,15,13,16,18,13,2,12,13,15,27,17
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,16,9,17,16,9,13,2,27,21,16
3160 DATA 24,21,2,21,21,16,18,21,2,15,21,4,12,21,16,9,2 >XF
1,2,27,25,4,24,25,4,18,25,4,9,25,4,15,25,12,28,4,3,22,4
,3,16,4,3,10,4,3,28,8,3,19,8,3,10,8,3,28,12,3,22,12,3,1
6,12,3,25,16,3,19,16,3,10,16,3,28,20,3,22,20,3,13,20,3,
25,4,8,13,16,8
3170 DATA 21,25,15,22,24,7,12,25,15,6,25,15,3,21,16,3,1 >VB
7,4,3,13,16,3,9,4,3,5,15,4,20,3,4,12,3,4,4,1,-1,-1,-1
3180 DATA 20,4,5,15,6,2,9,8,2,21,8,2,12,10,2,18,10,2,6, >DZ
10,2,24,10,2,9,12,16,15,10,16,21,12,16,6,14,16,12,14,16
,18,14,16,24,14,16,6,16,2,12,16,2,18,16,2,24,16,2,6,19,
10,12,19,10,18,19,10,24,19,10,6,23,16,27,24,16
3190 DATA 12,23,16,18,23,16,24,23,16,16,9,9,25,9,8,22,7 >HV
,8,19,9,8,16,5,8,13,9,8,10,7,8,7,9,8,10,11,9,22,11,9,25
,13,9,19,13,9,13,13,9,7,13,9,25,22,3,19,22,3,13,22,3,7,
22,3,9,19,16,15,19,16,21,19,16,27,19,16,3,14,16
3200 DATA 3,11,16,19,6,3,13,6,3,3,8,16,3,19,16,27,6,16, >NF
28,5,1,-1,-1,-1
3210 DATA 14,22,14,15,15,10,15,12,10,15,9,10,15,6,10,18 >WD
,6,2,18,9,2,18,12,2,18,15,2,21,17,12,18,19,15,18,22,15,
12,15,2,12,12,12,12,9,12,12,6,12,9,12,2,9,9,12,6,9,2,9,
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3220 DATA 6,24,16,3,24,16,4,23,9,7,23,9,10,23,9,13,23,9 >BR
,13,14,8,10,11,8,7,8,8,24,17,12,4,5,8,19,5,1,7,5,3,10,5
,3,13,5,3,10,8,3,13,8,3,13,11,3,-1,-1,-1
3230 DATA 10, 4, 7                                       >XK
3240 DATA  3,10,12, 6, 8, 2, 6,12,15, 6,14,10, 9,10,16, >BT
 9,14,16, 9, 6, 4,10, 5, 1,12,16,16,15, 6, 4,16, 5, 9,1
5,10,16,15,14,16,18,16,16,21, 6, 4,22, 5, 9,21,10,16,21
,14,16,27,24,16, 9,19, 2,12,19, 2,15,19, 2,18,19, 2
3250 DATA 21,19, 2,24,19, 2,27,19, 2,24,24,16,21,24,16, >HN
18,24,10,15,24, 2,12,24,16, 9,24,16, 6,24,16,28,23, 3,2
7,16,16,25,23, 3,22,23, 3,13,23, 3,10,23, 3, 7,23, 3,16
,23, 7, 7, 7, 7,13,15, 8,19,15, 8
3260 DATA -1,-1,-1                                       >LM
3270 DATA 13,7,5,3,8,12,6,8,12,9,8,10,12,8,2,15,8,2,18, >MF
8,6,21,8,4,21,7,4,21,6,4,3,12,6,6,12,6,12,12,2,15,12,16
,18,12,2,21,12,6,3,16,2,6,16,16,9,16,2,12,16,16,15,16,2
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16,18,20,16,21,20,2,3,24,10
3280 DATA 6,24,16,9,24,16,12,24,2,15,24,10,18,24,2,21,2 >GR
4,15,18,5,4,24,5,4,24,8,4,22,5,8,21,4,4,24,16,15,25,7,9
,25,4,7,10,19,7,4,11,3,7,15,3,13,15,3,7,23,7,4,19,3,19,
19,3,10,23,3,22,23,3,16,19,9,16,11,9,19,4,9,22,3,9,27,2
4,15,24,3,4,18,3,4,15,4,4
3290 DATA 4,7,1,24,24,16,-1,-1,-1                        >YJ
3300 DATA 33,19, 3                                       >EG
3310 DATA 3,24,16,6,24,2,9,24,16,3,21,15,6,21,16,9,21,2 >UU
,3,18,2,6,18,2,9,18,15,3,15,15,6,15,15,9,15,2,3,11,2,6,
11,16,9,11,15,3,8,15,6,8,2,9,8,2,3,5,6,6,5,15,9,5,16,15
,8,2,18,8,4,18,9,4,18,10,4,18,14,6,18,17,16,15,24,16,12
,18,10,27,5,6
3320 DATA 24,5,15,27,8,15,24,8,2,27,11,2,24,11,16,27,15 >UV
,15,24,15,15,27,18,2,24,18,2,27,21,15,24,21,16,27,24,16
,24,24,2,18,5,12,4,23,9,10,23,9,4,20,9,7,20,9,10,20,9,1
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0,4,9,28,23,3
3330 DATA 28,20,3,25,20,3,28,14,3,25,14,3,25,10,3,28,7, >VJ
3,28,4,3,25,4,3,16,23,7,4,17,8,7,17,8,10,14,8,4,10,8,7,
7,8,10,7,8,28,17,8,25,17,8,28,10,8,25,7,8,19,7,1
3340 DATA -1,-1,-1                                       >LL
3350 LOCATE q,w:PRINT b$:SOUND 1,300,35,1,1,,10          >PM
3360 IF INKEY(76)*INKEY(47)=0 THEN CLS:GOTO 1690:ELSE G >WE
OTO 3360:GOTO 3360
3370 LOCATE q,w:PRINT b$:SOUND 1,300,35,1,1,,10          >PP
3380 IF INKEY(76)*INKEY(47)=0 THEN CLS:GOTO 1710:ELSE G >WD
OTO 3380:GOTO 3380
```





ROUTARD

Michel LA ROSA

Valable pour CPC 664 – 6128

Vous allez partir en vacances sur les routes de France métropolitaine? ROUTARD va vous aider à choisir votre itinéraire, simplifier les calculs de distance sur la carte. Et pourquoi ne pas en faire profiter vos amis?

Routard a retenu 80 villes en fonction de leur taille, de leur intérêt touristique, ou comme étapes possibles. Affichez votre point de départ et votre destination, et il vous proposera un trajet, avec les principales étapes, les distances entre elles et la distance totale à parcourir.

Il vous simplifie même l'affichage, en vous interrompant dès qu'il est sûr d'avoir compris le nom de la ville,... ou dès qu'il est certain que vous vous êtes trompé! Et vous verrez comment il s'y prend pour les deux CHALON(S), ou pour les noms de ville commençant par SAINT.

Ceci dit, l'itinéraire qu'il trace n'est qu'une proposition: à vous de trouver, si vous le souhaitez, un trajet plus court (sans prendre l'autoroute, par exemple) ou plus sinueux. Pour cela, indiquez l'étape par laquelle vous voulez passer au lieu de la destination; une fois le trajet affiché, tapez S pour tracer la suite de votre itinéraire. C'est ça le tourisme à la carte!

Si vous êtes un peu effrayé par la masse des DATA des lignes 2710-4300, commencez par ne taper pour chaque ligne que DATA suivi de 39 virgules; vous compléterez au fur et à mesure de vos besoins. S'il lui manque des données, votre CPC vous le fera savoir!

Vous avez en effet certainement compris qu'il a besoin de 80 nombres-codes (deux lignes de 40) pour chacune des 80 villes de sa liste, répartis dans une sorte de tableau à double entrée: chaque code représente soit la distance qui sépare votre point de départ de votre destination, soit l'étape suivante sur le trajet correspondant.

Quant à la liste impressionnante de RESTORE (lignes 1210-2000), elle permet d'accélérer le programme, en évitant d'avoir à lire l'intégralité des codes précédant celui recherché.

Si votre ville ne figure pas dans la liste, pourquoi ne pas l'y rajouter?

Il suffit qu'elle soit à plus de 31 km (impératif!) de la ville la plus proche de la liste. Voici comment vous allez procéder:

- Repérage sur la carte

Déterminez l'emplacement de la ville sur la carte: vous repérerez son abscisse et son ordonnée en vous aidant de celles des villes de la liste (lignes 2480-2670) situées sur la même verticale, et de celles situées sur la même horizontale sur une carte de France.

Complétez alors ainsi la ligne 190 de DESSFRAN.BAS: 190 NEXT I: PLOT (abscisse), (ordonnée), 3: GRAPHICS PEN 1

Vérifiez le résultat, corrigez au besoin, sauvez votre programme modifié et recréez ROUTES.SCR. Puis complétez la ligne 2670 de ROUTARD ainsi:

2670 DATA VANNES,68,244, VERDUN,306,314,(nomville),(abscisse),(ordonnée),RETOUR,0,0

- Introduction d'une 81ème ville dans le programme lignes 170 et 310(...):FOR I=1 TO 82:(...) 80 IF D<82 THEN (...)

1110 ON P GOTO 1120,1130, 1140,1150,1160,1170,1180, 1190,1200

1200 ON Q GOTO 2000,2005

2005 RESTORE 4310:RETURN

2190 INPUT #2,» î »,NV$:LN= LEN(NV$): RETURN

Supprimez les lignes 2200-2380 qui offrent plus de sécurité dans la saisie des noms de villes, mais qui risquent de ne pas accepter un nom nouveau.

- Pour que l'itinéraire puisse partir de votre ville, ajoutez deux lignes de DATA (4310-4320) en fin de programme, pour loger les 80 codes correspondant aux 80 villes déjà sur la liste, et ajoutez le code ø (distance de votre ville à elle-même!) à la ligne 4320.

Comment calculer chaque code? C'est facile!

S'il n'y a pas de ville intermédiaire, notez simplement la distance entre les deux villes, augmentée de 50 (votre CPC lira tous les nombres inférieurs à 82 comme des codes renvoyant à la ville correspondante sur la liste, et les autres comme des distances après leur avoir oté 50).

Sinon, notez le numéro de code de la ville-étape la plus proche (1-80) par où passer pour commencer le trajet.

Par exemple, c'est AUCH que vous voulez rajouter.Tapez alors:

4310 DATA 122,1,1,1,etc...

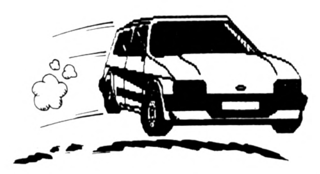
En effet AGEN-AUCH=72 km, donc le code no 1=72+50=122. Ensuite c'est par AGEN qu'il faut passer pour aller à ALENCON (code no 2=1), à AMIENS (code no 3=1) et à ANGERS (code no 4=1), etc...

- Pour que l'itinéraire puisse arriver à votre ville, il faut procéder de même en fin des lignes de DATA 2720,2740, 2760,2780,etc... Toujours dans l'exemple de AUCH, rajoutez avant le nom de la ville précédé du signe ' :

122 (72+50) en fin de ligne 2720,

38 (code de LE MANS, 1ère étape d'ALENCON à AUCH) en fin de 2740,

59 (code de PARIS, 1ère étape d'AMIENS et AUCH) en fin de 2760, etc...



• Enfin pour que l'itinéraire puisse passer par votre ville, assurez-vous d'abord que vous en aurez besoin, car c'est un peu plus compliqué. Sinon ne soyez pas surpris que votre CPC traverse votre ville sans s'y arrêter. Reprenons notre bonne ville d'AUCH. Faisons l'inventaire des villes reliées directement par route: AGEN déjà nommée, BORDEAUX, CAHORS, MONT DE MARSAN, PAU, RODEZ et TOULOUSE. Le seul itinéraire traversant AUCH est la route MONT DE MARSAN-TOULOUSE. Toutes les autres routes s'arrêtent à AUCH.

Il faut donc remplacer dans les lignes 3630-3640 tous les codes 75 (TOULOUSE) par le code 81 (AUCH). De même en sens inverse, il faut remplacer dans les lignes 4190-4200 tous les codes 67 (RODEZ) par le code 81 (AUCH).

Ainsi ferez pour tous les itinéraires passant par votre ville.

Après quoi, tracez votre route, en voiture, et bonnes vacances!

Vous les avez bien méritées!

Le premier listing DESSFRAN.BAS est destiné créer la carte de France ROUTES.SCR. Si vous travaillez sur cassette, ROUTES.SCR devra trouver place après le listing ROUTARD.BAS.

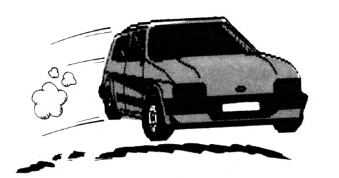


DESSFRAN.BAS

```
10 ' ***********************                              >LA
20 ' * DESSIN CARTE FRANCE *                              >LB
30 ' ***********************                              >LC
40 '                                                      >LD
50 MODE 1:INK 0,2:INK 1,16:INK 2,3:INK 3,25:BORDER 13:P >BX
EN 2
60 SYMBOL AFTER 128:GOSUB 680                             >XJ
70 FOR I=1 TO 7:LOCATE I,22:PRINT CHR$(127+I):NEXT I      >VG
80 LOCATE 16,25:PRINT CHR$(135);CHR$(136)                 >JU
90 FOR X=1 TO 15:FOR Y=23 TO 25:LOCATE X,Y:PRINT CHR$(2 >NQ
07):NEXT Y,X
100 FOR X=15 TO 25:FOR Y=1 TO 20:LOCATE X,Y:PRINT CHR$( >PG
207):NEXT Y,X
110 LOCATE 15,1:PRINT CHR$(137)                           >YW
120 RESTORE 320:FOR I=1 TO 24:FOR J=1 TO 8                >GH
130 READ X,Y:IF I=1 AND J=1 THEN PLOT X,Y,1 ELSE DRAW X >ZZ
,Y
140 NEXT J,I:READ X,Y:DRAW X,Y:MOVE 18,280:FILL 1         >TQ
150 PLOT 144,398,2:DRAW 398,398:DRAW 398,0:DRAW 0,0:DRA >FE
W 0,350
160 MOVE 400,200:FILL 1:RESTORE 570                       >CE
170 FOR I=1 TO 80:READ X,Y:PLOT X,Y,3:IF I<>59 THEN 190 >XN

180 DRAWR -2,2:DRAWR 4,0:DRAWR 0,-4:DRAWR -4,0:DRAWR 0, >TP
6:DRAWR 4,0:DRAWR 2,-2:DRAWR 0,-4:DRAWR -2,-2:DRAWR -4,
0:DRAWR -2,2:DRAWR 0,4
190 NEXT I:GRAPHICS PEN 1                                 >UV
200 TAG:MOVE 16,394:PRINT "ECHELLE";                      >EZ
210 PLOT 30,376,1:DRAW 30,370:DRAW 110,370:DRAW 110,376 >XJ

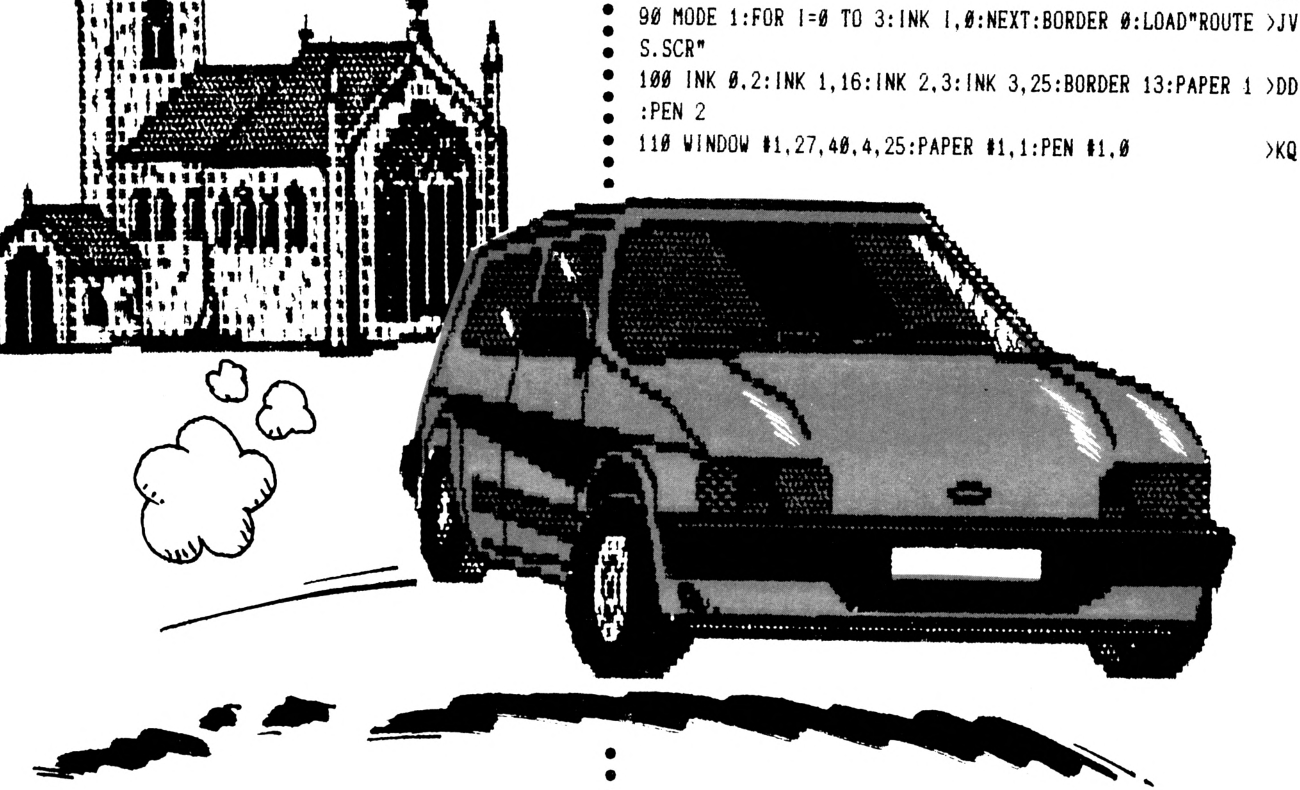
220 PLOT 70,376:DRAW 70,370:FOR I=50 TO 90 STEP 40:PLOT >AD
 I,374:DRAW I,370:NEXT
230 FOR I=34 TO 46 STEP 4:PLOT I,372:NEXT                 >HE
240 MOVE 16,363:PRINT "0   200";:TAGOFF                   >FK
250 PAPER 2:PEN 3:LOCATE 27,1:PRINT" ITINERAIRES "        >WB
260 LOCATE 27,2:PRINT"  EN FRANCE  "                      >ED
270 PLOT 414,396,0:DRAW 414,366:DRAW 620,366              >KB
280 IF INKEY$<>CHR$(13) THEN 280                          >YG
290 SAVE"ROUTES.SCR",B,&C000,&4000                        >CN
300 END                                                   >RG
310 '                                                     >RE
320 DATA 224,392,198,382,198,356,190,346,178,340,162,33 >TF
6,156,332,154,328
330 DATA 154,324,164,324,164,318,154,318,150,314,122,31 >RW
8,116,318,114,328
340 DATA 116,332,114,334,104,330,96,334,96,332,100,330, >NY
100,320,106,312
350 DATA 106,290,108,286,106,284,96,284,96,290,94,288,9 >LC
4,284,90,286
360 DATA 88,284,84,288,78,288,76,282,70,282,62,298,50,2 >GE
94,48,288
370 DATA 36,292,24,290,12,284,12,278,18,278,26,282,22,2 >GB
76,26,276
380 DATA 26,272,18,272,18,274,18,270,16,272,26,272,26,2 >GT
66,14,264
390 DATA 24,260,22,252,34,258,38,252,58,244,58,236,60,2 >GW
36,58,236
400 DATA 58,244,64,242,72,244,72,238,66,238,78,238,76,2 >GM
28,82,226
410 DATA 86,230,94,230,104,220,90,226,84,222,92,216,86, >HL
208,94,200
420 DATA 94,192,106,186,118,186,112,178,112,176,118,174 >QE
,112,160,112,156
430 DATA 116,156,128,142,128,132,138,122,134,122,130,11 >RN
8,132,124,124,130
440 DATA 124,138,116,148,112,142,112,124,102,62,94,54,9 >JG
0,54,102,50
450 DATA 102,40,140,32,142,26,166,22,168,30,192,24,196, >GQ
18,198,22
460 DATA 206,20,206,14,214,8,224,12,228,12,228,8,236,8, >CZ
244,14
470 DATA 252,14,252,12,246,18,246,36,256,50,266,50,276, >GW
60,298,58
480 DATA 296,54,304,54,308,60,316,58,312,52,310,54,320, >GB
54,320,48
490 DATA 328,48,334,42,352,46,360,52,362,60,368,62,376, >GG
74,380,72
500 DATA 388,80,392,94,366,98,366,112,370,118,356,134,3 >NN
70,144,370,150
510 DATA 360,164,364,172,356,190,344,190,340,180,328,18 >RJ
0,336,190,336,204
520 DATA 346,222,352,222,360,234,358,238,362,242,370,24 >RM
0,376,246,374,252
```



```
530 DATA 374,272,382,296,390,308,366,314,364,312,346,31 >RH
2,338,326,306,328
540 DATA 290,336,290,354,288,354,280,342,270,342,270,35 >XY
8,266,362,260,362,260
550 DATA 358,254,358,252,370,246,366,244,376,240,380,23 >XH
4,374,224,382,224,392
560 '                                                   >TB
570 DATA 170,88,154,278,218,340,136,236,156,154,112,106 >QT
,226,122,256,248
580 DATA 304,80,104,60,338,230,256,50,130,118,198,376,2 >LG
24,216,18,278
590 DATA 196,128,142,312,196,98,206,386,372,68,224,48,2 >NF
96,206,278,300
600 DATA 332,156,286,338,196,278,202,206,106,330,246,15 >QV
8,346,88,302,230
610 DATA 342,112,326,134,256,328,114,176,154,324,156,25 >RD
6,270,128,240,372
620 DATA 188,162,50,248,298,158,294,190,318,50,328,312, >NR
134,76,228,190
630 DATA 272,64,252,194,370,252,330,292,104,226,246,216 >NK
,382,76,288,76
640 DATA 136,184,206,256,218,296,136,50,174,134,244,24, >NX
160,194,28,260
650 DATA 270,314,100,262,228,94,184,322,70,284,286,146, >MT
94,288,82,228
660 DATA 378,292,338,44,196,62,174,234,272,270,302,124, >NJ
68,244,306,314
670 '                                                   >TD
680 SYMBOL 128,0,0,2,85,170,85,170,85                   >DA
690 SYMBOL 129,8,81,170,85,170,85,170,85                >FU
700 SYMBOL 130,128,64,160,85,170,85,170,85              >HG
710 SYMBOL 131,0,0,2,21,170,85,170,85                   >CK
720 SYMBOL 132,0,0,0,64,168,85,170,85                   >CA
730 SYMBOL 133,0,0,0,0,0,21,170,85                      >AH
740 SYMBOL 134,0,0,0,0,0,85,170,85                      >AW
750 SYMBOL 135,168,84,170,84,170,85,170,85              >HZ
760 SYMBOL 136,0,0,0,0,128,64,0,85                      >AA
770 SYMBOL 137,170,5,42,85,170,85,170,85                >FK
780 RETURN                                              >AA
```



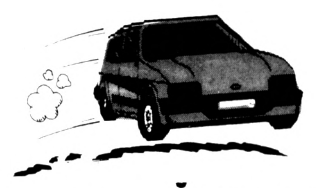

```
10 REM ************************                          >VB
20 REM *                      *                          >AJ
30 REM * ITINERAIRES en FRANCE *                         >ZH
40 REM *                      *                          >BA
50 REM ************************                          >VF
60 '                                                     >LF
70 ' Michel LA ROSA, Dícembre 1992 - tíl 55 74 26 12     >LG
80 '                                                     >LH
90 MODE 1:FOR I=0 TO 3:INK I,0:NEXT:BORDER 0:LOAD"ROUTE >JV
S.SCR"
100 INK 0,2:INK 1,16:INK 2,3:INK 3,25:BORDER 13:PAPER 1 >DD
:PEN 2
110 WINDOW #1,27,40,4,25:PAPER #1,1:PEN #1,0            >KQ
```





```
120 WINDOW #2,27,40,24,25:PAPER #2,3:PEN #2,2                >LR
130 '                                                         >RE
140 ' Choix Ville D{part                                      >RF
150 '                                                         >RG
160 CLS #2:LOCATE #2,2,1:PRINT #2,"VILLE DEPART":GOSUB       >EY
2190
170 N1$=UPPER$(NV$):RESTORE 2480:FOR I=1 TO 81:READ N$,      >ER
X1,Y1
180 IF LEFT$(N$,LN)=LEFT$(N1$,LN) THEN D1=I:GOTO 210         >VL
190 IF LEFT$(N$,LN)=LEFT$("RETOUR",LN) THEN SOUND 1,382     >QG
2,80:GOTO 160
200 NEXT I                                                    >NA
210 PLOT X1,Y1,2:N1$=N$:LOCATE #1,1,1:PRINT #1,CHR$(18)     >DE
;N1$
220 CLS #2:LOCATE #2,2,1:PRINT #2,"COPY  efface":PRINT      >CF
#2," ENTER valide"
230 A$=INKEY$:IF A$="" THEN 230                               >XR
240 IF A$=CHR$(224) THEN PLOT X1,Y1,3:GOTO 160                >MK
250 IF A$=CHR$(13) THEN PLOT X1,Y1,1:PLOTR 2,4,2:GOSUB       >MJ
760:GOTO 300
260 GOTO 230                                                  >YK
270 '                                                         >RK
280 ' Choix Destination                                       >TA
290 '                                                         >TB
300 CLS #2:LOCATE #2,2,1:PRINT #2,"DESTINATION":GOSUB 2     >DL
190
310 N2$=UPPER$(NV$):RESTORE 2480:FOR I=1 TO 81:READ N$,      >EQ
X2,Y2
320 IF LEFT$(N$,LN)=LEFT$(N2$,LN) THEN D2=I:GOTO 350         >VP
330 IF LEFT$(N$,LN)=LEFT$("RETOUR",LN) THEN SOUND 1,382     >QY
2,80:GOTO 300
340 NEXT I                                                    >NF
350 PLOT X2,Y2,2:N2$=N$:IF S=0 THEN LOCATE #1,1,3:PRINT     >TY
 #1,CHR$(18);N2$
360 CLS #2:LOCATE #2,2,1:PRINT #2,"COPY  efface":PRINT      >CL
#2," ENTER valide"
370 A$=INKEY$:IF A$="" THEN 370                               >XC
380 IF A$=CHR$(224) THEN PLOT X2,Y2,3:GOTO 300                >MN
390 IF A$=CHR$(13) THEN 440                                   >TK
400 GOTO 370                                                  >ZA
410 '                                                         >RF
420 ' Calcul et Affichage Distance                            >RG
430 '                                                         >RH
440 X=X2:Y=Y2:PLOT 414,336,2:DRAW 414,352:DRAW 638,352:     >UT
IF S=0 THEN CLS #1
450 PAPER #1,2:PEN #1,3:LOCATE #1,1,1:PRINT #1,"DISTANC     >KY
E en Km"
460 PAPER #1,1:PEN #1,0:IF S=0 THEN LOCATE #1,1,3:PRINT     >RJ
 #1,CHR$(18);N1$
470 GOSUB 1100:FOR I=1 TO D2:READ D$:NEXT:D=VAL(D$):IF      >NR
D=0 THEN 2120
480 IF D<81 THEN 630 ELSE ET=D2:D=D-50                        >DD
490 MOVE X1,Y1,2:GOSUB 810:DRAW X,Y:PLOTR 2,4,2:GOSUB 7     >XF
60:IF W>6 THEN W=6
500 PLOT X,Y,1:GOSUB 770:IF W=0 THEN PLOT X1,Y1,1:GOSUB     >DJ
 770
510 PEN #1,0:LOCATE #1,1,5+W*2:PRINT #1,CHR$(18);N2$         >VF
520 PEN #1,3:LOCATE #1,11,4+W*2:PRINT #1,USING "####";D     >EH
+DC+DS
530 PLOT 416,(16-W*2)*16,2:DRAW 526,(16-W*2)*16              >NQ
540 PAPER #1,2:LOCATE #1,1,7+W*2:PRINT #1," TOTAL ";         >VZ
550 DT=DT+D:PAPER #1,1:PRINT #1,"   ";USING "####";DT:      >XF
560 RESTORE 570:FOR I=1 TO 6:READ CAN,SON:SOUND CAN,SON     >HY
:NEXT
570 DATA 1,239,17,239,10,159,49,239,42,159,28,190            >PB
580 LOCATE #2,1,2:PRINT #2,"<ENTER> suite";                   >NJ
590 IF INKEY$<>CHR$(13) THEN 590 ELSE 2040                    >HF
600 '                                                         >RG
610 ' Etapes Interm{diaires                                   >RH
620 '                                                         >RJ
630 ET=D:RESTORE 2480:IF W>6 THEN W=6                         >EE
640 FOR I=1 TO ET:READ N$,X2,Y2:NEXT I                        >EF
650 PEN #1,0:LOCATE #1,1,5+W*2:PRINT #1,CHR$(18);N$          >UJ
660 MOVE X1,Y1,2:GOSUB 810:DRAW X2,Y2:IF W=0 THEN PLOT      >VV
X1,Y1,1:GOSUB 770
670 X1=X2:Y1=Y2:MOVE X1,Y1,3:GOSUB 770                        >GH
680 GOSUB 1100:FOR I=1 TO ET:READ D$:NEXT:D=VAL(D$)          >VL
690 IF W=6 THEN D=D+DC:LOCATE #1,1,4+W*2:FOR I=1 TO 3:P     >CK
RINT #1,CHR$(144);:NEXT
700 IF D=0 THEN 2120 ELSE LOCATE #1,11,4+W*2:PEN #1,3:P     >GJ
RINT #1,USING "####";D+DS-50
710 IF ET<>D2 THEN D1=ET                                      >RK
720 RESTORE 2480:FOR I=1 TO ET:READ N$,X2,Y2:NEXT I:IF      >RM
W=6 THEN D=D-DC
730 PLOT X1,Y1,2:GOSUB 810:DRAW X2,Y2:X1=X2:Y1=Y2:MOVE      >YD
X2,Y2,2:GOSUB 770
740 W=W+1:DT=DT+D-50:IF W=7 THEN DC=DC+D-50                   >LQ
750 PEN #1,2:GOTO 470                                         >NW
760 PLOTR 2,-2:DRAWR 0,-4:PLOTR -2,-2:DRAWR -4,0:PLOTR      >HC
-2,2:DRAWR 0,4:PLOTR 2,2:DRAWR 4,0:RETURN
770 PLOTR -2,2:DRAWR 4,0:DRAWR 0,-4:DRAWR -4,0:DRAWR 0,     >KG
4:RETURN
780 '                                                         >TF
790 ' Rectification Trajets                                   >TG
800 '                                                         >RJ
810 RESTORE 830:FOR K=1 TO 24:READ TR:IF D1=TR THEN 840      >XT

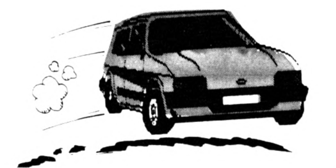
820 NEXT K:RETURN                                             >ND
830 DATA 2,3,9,11,14,18,20,21,25,26,29,34,35,37,40,44,4     >YB
5,49,56,59,66,68,69,71
840 IF (D1=2 OR D1=18) AND (ET=37 OR ET=68) THEN DRAW 1     >LQ
78,320:RETURN
850 IF (D1=2 OR D1=18 OR D1=29) AND (ET=66 OR ET=69 OR      >JN
ET=71) THEN DRAW 112,282:RETURN
860 IF (D1=3 OR D1=37 OR D1=68) AND ET=14 THEN DRAW 204     >JN
,350:RETURN
870 IF D1=3 AND ET=20 THEN DRAW 216,374:RETURN                >NP
880 IF D1=3 AND ET=40 THEN DRAW 234,354:RETURN                >NQ
890 IF D1=9 AND (ET=21 OR ET=45) THEN DRAW 312,66:RETUR     >YU
N
900 IF (D1=11 OR D1=44) AND (ET=25 OR ET=34) THEN DRAW      >MJ
306,174:RETURN
910 IF D1=14 AND (ET=3 OR ET=37 OR ET=68) THEN DRAW 204     >KB
,350:RETURN
920 IF (D1=14 OR D1=20) AND (ET=26 OR ET=35) THEN DRAW      >MM
216,374:RETURN
930 IF D1=18 AND ET=29 THEN DRAW 114,316:RETURN               >PJ
940 IF D1=20 AND ET=3 THEN DRAW 216,374:RETURN                >NK
```



```
950 IF (D1=20 OR D1=40) AND (ET=35 OR ET=59) THEN DRAW   >MU
234,354:RETURN
960 IF (D1=21 OR D1=45) AND ET=9 THEN DRAW 312,66:RETUR >YW
N
970 IF (D1=21 OR D1=45) AND (ET=49 OR ET=56) THEN DRAW   >LG
302,66:RETURN
980 IF (D1=25 OR D1=34) AND (ET=11 OR ET=44) THEN DRAW   >MT
306,174:RETURN
990 IF D1=29 AND ET=18 THEN DRAW 114,316:RETURN          >PQ
1000 IF (D1=26 OR D1=35) AND (ET=14 OR ET=20) THEN DRAW >NJ
 216,374:RETURN
1010 IF (D1=35 OR D1=59) AND (ET=20 OR ET=40) THEN DRAW >NN
 234,354:RETURN
1020 IF (D1=37 OR D1=68) AND (ET=2 OR ET=18) THEN DRAW  >MH
178,320:RETURN
1030 IF D1=40 AND ET=3 THEN DRAW 234,354:RETURN         >NW
1040 IF (D1=49 OR D1=56) AND (ET=21 OR ET=45) THEN DRAW >MB
 302,66:RETURN
1050 IF (D1=66 OR D1=69 OR D1=71) AND (ET=2 OR ET=18 OR >KW
 ET=29) THEN DRAW 112,282:RETURN
1060 RETURN                                             >FA
1070 '                                                  >YA
1080 ' Recherche Ville Etape                            >YB
1090 '                                                  >YC
1100 P=INT(D1/10)+1:Q=D1-(P-1)*10+1                     >BJ
1110 ON P GOTO 1120,1130,1140,1150,1160,1170,1180,1190, >AW
2000
1120 ON Q GOTO 1200,1210,1220,1230,1240,1250,1260,1270, >FM
1280,1290
1130 ON Q GOTO 1300,1310,1320,1330,1340,1350,1360,1370, >FZ
1380,1390
1140 ON Q GOTO 1400,1410,1420,1430,1440,1450,1460,1470, >GC
1480,1490
1150 ON Q GOTO 1500,1510,1520,1530,1540,1550,1560,1570, >GP
1580,1590
1160 ON Q GOTO 1600,1610,1620,1630,1640,1650,1660,1670, >GB
1680,1690
1170 ON Q GOTO 1700,1710,1720,1730,1740,1750,1760,1770, >GN
1780,1790
1180 ON Q GOTO 1800,1810,1820,1830,1840,1850,1860,1870, >GA
1880,1890
1190 ON Q GOTO 1900,1910,1920,1930,1940,1950,1960,1970, >GM
1980,1990
1200 '                                                  >XF
1210 RESTORE 2710:RETURN                                >UX
1220 RESTORE 2730:RETURN                                >UA
1230 RESTORE 2750:RETURN                                >UD
1240 RESTORE 2770:RETURN                                >UG
1250 RESTORE 2790:RETURN                                >UK
1260 RESTORE 2810:RETURN                                >UD
1270 RESTORE 2830:RETURN                                >UG
1280 RESTORE 2850:RETURN                                >UK
1290 RESTORE 2870:RETURN                                >UN
1300 RESTORE 2890:RETURN                                >UG
1310 RESTORE 2910:RETURN                                >UA
1320 RESTORE 2930:RETURN                                >UD
1330 RESTORE 2950:RETURN                                >UG
1340 RESTORE 2970:RETURN                                >UK
1350 RESTORE 2990:RETURN                                >UN
1360 RESTORE 3010:RETURN                                >UX
1370 RESTORE 3030:RETURN                                >UA
1380 RESTORE 3050:RETURN                                >UD
1390 RESTORE 3070:RETURN                                >UG
1400 RESTORE 3090:RETURN                                >UA
1410 RESTORE 3110:RETURN                                >UU
1420 RESTORE 3130:RETURN                                >UX
1430 RESTORE 3150:RETURN                                >UA
1440 RESTORE 3170:RETURN                                >UD
1450 RESTORE 3190:RETURN                                >UG
1460 RESTORE 3210:RETURN                                >UA
1470 RESTORE 3230:RETURN                                >UD
1480 RESTORE 3250:RETURN                                >UG
1490 RESTORE 3270:RETURN                                >UK
1500 RESTORE 3290:RETURN                                >UD
1510 RESTORE 3310:RETURN                                >UX
1520 RESTORE 3330:RETURN                                >UA
1530 RESTORE 3350:RETURN                                >UD
1540 RESTORE 3370:RETURN                                >UG
1550 RESTORE 3390:RETURN                                >UK
1560 RESTORE 3410:RETURN                                >UD
1570 RESTORE 3430:RETURN                                >UG
1580 RESTORE 3450:RETURN                                >UK
1590 RESTORE 3470:RETURN                                >UN
1600 RESTORE 3490:RETURN                                >UG
1610 RESTORE 3510:RETURN                                >UA
1620 RESTORE 3530:RETURN                                >UD
1630 RESTORE 3550:RETURN                                >UG
1640 RESTORE 3570:RETURN                                >UK
1650 RESTORE 3590:RETURN                                >UN
1660 RESTORE 3610:RETURN                                >UG
1670 RESTORE 3630:RETURN                                >UK
1680 RESTORE 3650:RETURN                                >UN
1690 RESTORE 3670:RETURN                                >UR
1700 RESTORE 3690:RETURN                                >UK
1710 RESTORE 3710:RETURN                                >UD
1720 RESTORE 3730:RETURN                                >UG
1730 RESTORE 3750:RETURN                                >UK
1740 RESTORE 3770:RETURN                                >UN
1750 RESTORE 3790:RETURN                                >UR
1760 RESTORE 3810:RETURN                                >UK
1770 RESTORE 3830:RETURN                                >UN
1780 RESTORE 3850:RETURN                                >UR
1790 RESTORE 3870:RETURN                                >UV
1800 RESTORE 3890:RETURN                                >UN
1810 RESTORE 3910:RETURN                                >UG
1820 RESTORE 3930:RETURN                                >UK
1830 RESTORE 3950:RETURN                                >UN
1840 RESTORE 3970:RETURN                                >UR
1850 RESTORE 3990:RETURN                                >UV
1860 RESTORE 4010:RETURN                                >UD
1870 RESTORE 4030:RETURN                                >UG
1880 RESTORE 4050:RETURN                                >UK
1890 RESTORE 4070:RETURN                                >UN
1900 RESTORE 4090:RETURN                                >UG
1910 RESTORE 4110:RETURN                                >UA
1920 RESTORE 4130:RETURN                                >UD
1930 RESTORE 4150:RETURN                                >UG
1940 RESTORE 4170:RETURN                                >UK
```



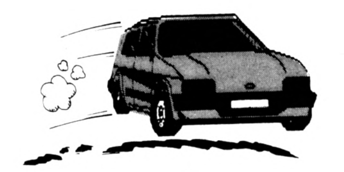
```
1950 RESTORE 4190:RETURN                                          >UN
1960 RESTORE 4210:RETURN                                          >UG
1970 RESTORE 4230:RETURN                                          >UK
1980 RESTORE 4250:RETURN                                          >UN
1990 RESTORE 4270:RETURN                                          >UR
2000 RESTORE 4290:RETURN                                          >UA
2010 '                                                            >XF
2020 ' Continuer ou Finir ?                                       >XG
2030 '                                                            >XH
2040 CLS #2:PRINT #2,"<A> un Autre":PRINT #2,"<S> la Su >JE
ite"
2050 A$=INKEY$:IF A$="" THEN 2050                                 >YH
2060 A$=UPPER$(A$):IF A$=CHR$(65) THEN DC=0:DS=0:GOTO 2 >BM
090
2070 IF A$=CHR$(83) THEN IF W=6 THEN DC=DC+D:GOTO 2420  >FD
ELSE 2420
2080 GOTO 2050                                                    >ME
2090 PLOT 414,336,1:DRAW 414,352:DRAW 638,352                     >LK
2100 CLS #1:PEN #1,0:DT=0:S=0:W=0:GOTO 160                        >JZ
2110 '                                                            >XG
2120 SOUND 1,3822,80:LOCATE #1,14,4+W*2:PEN #1,3:PRINT  >EK
#1,"?"
2130 LOCATE #1,1,5+W*2:PEN #1,2:PRINT #1,"UN PROBLEME ! >CD
";
2140 PRINT #1,"TAPER <ENTER>";                                    >ZT
2150 IF INKEY$<>CHR$(13) THEN 2150 ELSE RUN                       >JC
2160 '                                                            >YB
2170 ' Nom de la Ville                                            >YC
2180 '                                                            >YD
2190 NV$="":Z$=CHR$(143):FOR I=1 TO 3                             >CJ
2200 GOSUB 2370                                                   >WJ
2210 NV$=UPPER$(NV$+A$):LOCATE #2,2,2:PRINT #2,NV$+Z$:: >FW
NEXT
2220 NV1$=LEFT$(NV$,1):IF NV1$="D" OR NV1$="G" OR NV1$= >CJ
"O" OR NV1$="Q" OR NV1$="R" OR NV1$="V" THEN LN=3:PRINT
 CHR$(7)::RETURN
2230 IF NV$="PAU" THEN LN=3:PRINT CHR$(7)::RETURN                 >UG
2240 IF NV$="SAI" THEN NV$="ST ":SOUND 1,99:LOCATE #2,2 >YK
,2:PRINT #2,NV$+Z$;
2250 GOSUB 2370                                                   >XD
2260 NV$=UPPER$(NV$+A$):LOCATE #2,2,2:PRINT #2,NV$+Z$:  >ZJ
2270 IF NV1$="A" OR NV1$="B" OR NV1$="L" OR NV1$="N" OR >VK
 NV1$="P" OR NV1$="S" THEN LN=4:PRINT CHR$(7)::RETURN
2280 IF NV$="CAEN" OR NV$="MACO" OR NV$="METZ" OR NV$=" >AK
TOUR" THEN LN=4:PRINT CHR$(7)::RETURN
2290 FOR I=1 TO 2                                                 >CC
2300 GOSUB 2370                                                   >WK
2310 NV$=UPPER$(NV$+A$):LOCATE #2,2,2:PRINT #2,NV$+Z$:: >FX
NEXT
2320 IF NV$<>"CHALON" THEN LN=6:PRINT CHR$(7)::RETURN             >ZU
2330 LOCATE #2,2,2:SOUND 1,99:PRINT #2,"CHAL. SUR ?";Z$ >AW
:
2340 GOSUB 2370                                                   >XD
2350 IF A$="m" OR A$="M" THEN NV$="CHALONS/MARNE":LN=13 >EM
:PRINT CHR$(7)::RETURN
2360 IF A$="s" OR A$="S" THEN NV$="CHALON/SAONE":LN=12: >DP
PRINT CHR$(7)::RETURN
2370 A$=INKEY$:IF A$="" THEN 2370                                 >ZK
2380 A=ASC(A$):IF A<32 OR (A>32 AND A<65) OR (A>90 AND  >NG
A<97) OR A>122 THEN 2370 ELSE RETURN
2390 '                                                            >YG
2400 ' Suite Itiniraire                                           >XJ
2410 '                                                            >XK
2420 PLOT 416,(16-W*2)*16,1:DRAW 526,(16-W*2)*16                  >PG
2430 N1$=N2$:D1=D2:X1=X:Y1=Y:S=1:W=W+1                            >HF
2440 PAPER #1,1:PEN #1,0:PLOT X,Y,2:GOSUB 770:GOTO 300  >XG
2450 '                                                            >YD
2460 ' Donnies Emplacement Villes                                 >YE
2470 '                                                            >YF
2480 DATA AGEN,170,88,ALENCON,154,278,AMIENS,218,340,AN >GK
GERS,136,236,ANGOULEME
2490 DATA 156,154,ARCACHON,112,106,AURILLAC,226,122,AUX >DA
ERRE,256,248,AVIGNON
2500 DATA 304,80,BAYONNE,104,60,BESANCON,338,230,BEZIER >ZA
S,256,50,BORDEAUX
2510 DATA 130,118,BOULOGNE,198,376,BOURGES,224,216,BRES >FE
T,18,278,BRIVE,196,128
2520 DATA CAEN,142,312,CAHORS,196,98,CALAIS,206,386,CAN >GV
NES,372,68,CARCASSONNE
2530 DATA 224,48,CHALON/SAONE,296,206,CHALONS/MARNE,278 >FH
,300,CHAMBERY,332,156
2540 DATA CHARLEVILLE,286,338,CHARTRES,196,278,CHATEAUR >HQ
OUX,202,206,CHERBOURG
2550 DATA 106,330,CLERMONT-FD,246,158,DIGNE,346,88,DIJO >CC
N,302,230,GAP,342,112
2560 DATA GRENOBLE,326,134,LAON,256,328,LA ROCHELLE,114 >CE
,176,LE HAVRE,154,324
2570 DATA LE MANS,156,256,LE PUY,270,128,LILLE,240,372, >UU
LIMOGES,188,162
2580 DATA LORIENT,50,248,LYON,298,158,MACON,294,190,MAR >BD
SEILLE,318,50,METZ
2590 DATA 328,312,MONT DE MARSAN,134,76,MONTLUCON,228,1 >EP
90,MONTPELLIER,272,64
2600 DATA MOULINS,252,194,MULHOUSE,370,252,NANCY,330,29 >YA
2,NANTES,104,226
2610 DATA NEVERS,246,216,NICE,382,76,NIMES,288,76,NIORT >YC
,136,184,ORLEANS
2620 DATA 206,256,PARIS,218,296,PAU,136,50,PERIGUEUX,17 >FL
4,134,PERPIGNAN,244,24
2630 DATA POITIERS,160,194,QUIMPER,28,260,REIMS,270,314 >XA
,RENNES,100,262
2640 DATA RODEZ,228,94,ROUEN,184,322,ST BRIEUC,70,284,S >YN
T ETIENNE,286,146
2650 DATA ST MALO,94,288,ST NAZAIRE,82,228,STRASBOURG,3 >DB
78,292,TOULON,338,44
2660 DATA TOULOUSE,196,62,TOURS,174,234,TROYES,272,270, >XD
VALENCE,302,124
2670 DATA VANNES,68,244,VERDUN,306,314,RETOUR,0,0                 >VB
2680 '                                                            >YJ
2690 ' Donnies Etapes et Distances                                >YK
2700 '                                                            >YB
2710 DATA 0,13,61,13,61,13,19,61,75,47,17,75,184,61,61, >NZ
13,212,13,138,61,75,75,17,61,17,61,61,61,13,17,75,17,19
,19,61,13,13,13,19,61
2720 DATA 61,13,17,17,75,17,177,61,75,17,17,17,13,17,75 >TB
,75,13,61,61,207,188,75,61,13,61,13,19,61,13,17,13,13,1
7,75,160,61,61,19,13,61  ' Agen
2730 DATA 38,0,68,38,38,38,38,58,38,38,58,38,38,68,38,6 >QN
```



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9,38,151,38,68,38,38,58,59,38,59,166,38,18,38,38,58,38,
38,59,38,228,99,38,68
2740 DATA 38,66,38,38,38,59,38,38,38,38,27,59,38,58,38, >YE
38,38,215,243,38,38,38,38,66,59,200,38,196,287,38,228,3
8,59,38,38,38,27,38,66,59  ' Alen\on
2750 DATA 59,68,0,68,27,27,59,59,59,27,35,59,27,179,59, >YD
68,59,68,59,201,59,59,59,35,59,242,260,59,68,59,59,59,5
9,59,176,27,230,68,59,162
2760 DATA 59,68,59,59,59,35,27,59,59,59,35,35,68,59,59, >TJ
59,27,59,186,27,59,59,27,68,35,68,59,167,68,59,68,68,35
,59,59,27,295,59,68,35  ' Amiens
2770 DATA 57,38,38,0,63,57,63,76,76,57,76,63,57,38,76,6 >RC
6,63,262,63,38,76,63,76,38,76,38,38,76,333,76,76,76,76,
76,38,243,38,142,76,38
2780 DATA 63,53,76,76,76,38,57,76,63,76,76,76,139,76,76 >WY
,63,202,76,38,57,63,63,183,53,38,176,63,38,66,76,66,53,
76,76,63,167,76,76,53,38  ' Angers
2790 DATA 61,63,63,63,0,13,61,28,61,13,41,61,141,63,28, >NK
57,61,63,61,63,61,61,41,28,41,28,63,260,63,41,61,41,41,
41,63,178,63,63,61,63
2800 DATA 153,57,41,41,61,41,13,41,61,41,41,41,57,41,61 >TX
,61,152,63,63,13,136,61,160,57,28,57,61,63,57,41,57,57,
41,61,61,63,28,41,57,28  ' Angoul}me
2810 DATA 13,13,13,13,13,0,13,13,13,224,13,13,115,13,13 >KG
,13,13,13,13,13,13,13,13,13,13,13,13,13,13,13,13,13,13,
13,13,13,13,13,13,13
2820 DATA 13,13,13,13,13,13,171,13,13,13,13,13,13,13,13 >KT
,13,13,13,13,47,13,13,13,13,13,13,13,13,13,13,13,13,13,
13,13,13,13,13,13,13  ' Arcachon
2830 DATA 19,41,41,41,17,17,0,30,398,19,30,67,17,41,48, >NR
41,159,41,141,41,9,67,30,30,39,30,41,41,41,214,9,30,39,
39,41,17,41,41,218,41
2840 DATA 219,41,39,30,9,30,19,261,67,30,30,30,41,30,9, >LY
374,41,41,41,19,17,67,41,41,30,41,139,41,41,39,41,41,30
,9,19,41,30,39,41,30  ' Aurillac
2850 DATA 15,58,59,58,15,15,54,0,23,15,32,54,15,59,196, >RJ
58,15,27,15,59,23,54,225,77,23,77,262,15,27,54,23,203,2
3,23,77,15,59,58,54,59
2860 DATA 15,58,23,23,23,77,15,54,23,54,389,77,58,162,2 >VZ
3,23,15,206,216,15,15,54,15,58,77,58,54,59,58,23,58,58,
77,23,15,58,131,23,58,77  ' Auxerre
2870 DATA 56,78,78,78,56,56,398,78,0,56,78,56,56,78,78, >VG
78,56,78,56,78,283,56,78,78,78,78,78,78,78,78,195,78,23
6,78,78,56,78,78,263,78
2880 DATA 56,78,78,78,146,78,56,78,56,78,78,78,78,78,21 >RP
,94,56,78,78,56,56,56,56,78,78,78,56,78,78,78,78,78,78,
45,56,78,78,179,78,78  ' Avignon
2890 DATA 47,13,13,13,13,224,47,13,60,0,47,60,234,13,13 >LD
,13,47,13,47,13,60,60,47,13,47,13,13,13,13,47,60,13,47,
47,13,13,13,13,47,13
2900 DATA 13,13,47,47,60,13,148,13,60,13,47,13,13,13,60 >NJ
,60,13,13,13,156,13,60,13,13,13,13,47,13,13,47,13,13,47
,60,60,13,13,47,13,13  ' Bayonne
2910 DATA 23,32,24,54,23,23,23,32,43,23,0,43,23,24,54,3 >RD
2,23,32,23,24,43,43,178,322,295,80,32,54,32,23,34,172,3
4,332,24,54,32,32,43,24
2920 DATA 23,54,258,218,43,52,23,23,43,23,181,237,54,30 >YP
7,43,43,54,32,32,23,23,43,54,54,24,32,43,32,32,43,32,54
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,51,43,23,54,272,43,54,356  ' Besan\on
2930 DATA 22,67,30,67,67,22,67,30,49,22,49,0,22,30,30,6 >PC
7,67,67,22,30,49,142,49,49,49,49,30,30,67,424,49,49,49,
49,49,22,30,67,364,30
2940 DATA 67,67,49,49,49,49,22,30,114,30,49,49,67,30,49 >RV
,49,22,30,30,22,67,144,67,67,49,67,246,30,67,49,67,67,4
9,49,22,67,49,49,67,49  ' B{ziers
2950 DATA 184,57,57,57,141,115,61,5,1,234,5,1,0,57,5,36 >VF
,61,57,243,57,1,1,5,5,61,5,57,5,57,61,1,5,61,61,57,207,
57,57,61,57
2960 DATA 5,36,61,61,1,5,178,5,1,5,5,5,36,5,1,1,208,57, >JR
57,47,171,1,57,36,57,36,19,57,36,61,36,36,5,1,1,57,5,61
,36,5  ' Bordeaux
2970 DATA 59,68,179,68,68,68,59,59,59,68,35,59,68,0,59, >VZ
68,59,68,59,84,59,59,59,35,59,319,68,59,68,59,59,59,59,
59,291,68,292,68,59,159
2980 DATA 59,68,59,59,59,26,68,59,59,59,35,35,68,59,59, >QA
59,68,59,295,68,59,59,68,68,35,68,59,208,68,59,68,68,26
,59,59,68,35,59,68,26  ' Boulogne
2990 DATA 28,76,58,76,28,28,48,196,50,28,54,48,28,58,0, >JF
76,28,76,28,58,50,28,54,8,50,8,58,117,76,48,50,296,50,5
0,8,28,58,76,48,58
3000 DATA 28,76,50,50,50,8,28,150,48,150,54,8,76,118,50 >KM
,48,28,156,58,28,28,48,28,76,8,76,48,58,76,50,76,76,54,
50,28,200,8,50,76,8  ' Bourges
3010 DATA 64,69,69,69,64,64,64,69,69,64,69,64,64,69,69, >KM
0,64,69,64,69,69,64,69,69,69,69,69,69,69,69,69,69,69,69
,69,64,69,69,69,69
3020 DATA 64,64,69,69,64,69,64,69,64,69,69,69,64,69,69, >QZ
64,64,69,69,64,64,64,64,122,69,69,64,69,196,69,69,64,69
,64,64,69,69,69,64,69  ' Brest
3030 DATA 212,41,41,41,61,61,159,41,67,1,30,67,61,41,41 >LF
,41,0,41,151,41,67,19,30,41,30,41,41,41,41,227,67,30,30
,30,41,61,41,41,7,41
3040 DATA 148,41,30,30,67,30,1,41,67,30,30,30,41,30,67, >LX
67,41,41,41,1,123,19,41,41,41,41,207,41,41,30,41,41,30,
67,19,41,41,30,41,41  ' Brive
3050 DATA 2,151,68,262,2,2,2,27,2,2,27,2,2,68,2,69,2,0, >BP
2,68,2,2,27,68,2,68,240,2,170,2,2,27,2,2,68,4,156,2,2,6
8
3060 DATA 2,66,2,2,2,68,2,2,2,2,68,68,324,27,2,2,2,27,6 >EF
8,2,2,2,2,66,68,224,2,168,275,2,209,66,68,2,2,2,68,2,66
,68  ' Caen
3070 DATA 138,17,17,17,61,13,141,17,67,1,17,75,243,17,1 >FJ
7,17,151,17,0,17,67,75,17,17,7,17,17,17,17,17,67,17,7,7
,17,61,17,17,7,17
3080 DATA 17,17,7,17,67,17,1,17,67,17,17,17,17,17,67,67 >FH
,61,17,17,1,175,75,17,17,17,17,165,17,17,7,17,17,17,67,
162,17,17,7,17,17  ' Cahors
3090 DATA 59,14,201,14,14,14,59,59,59,14,35,59,14,84,59 >RJ
,14,59,14,59,0,59,59,59,35,59,311,14,59,14,59,59,35,59,
59,272,14,14,14,59,154
3100 DATA 59,14,59,59,59,26,14,59,59,59,35,35,14,59,59, >MF
59,14,59,338,14,59,59,14,14,35,14,59,14,14,59,14,14,26,
59,59,14,35,59,14,26  ' Calais
3110 DATA 49,9,9,9,49,49,9,9,283,49,9,49,49,9,9,9,49,9, >UA
49,9,0,49,9,9,31,9,9,9,9,9,182,9,31,31,9,49,9,9,9,9
3120 DATA 49,49,9,9,74,9,49,9,351,9,9,9,49,9,82,310,49, >CD
9,9,49,49,49,49,49,9,9,49,9,9,9,9,49,9,179,49,9,9,9,49,
9  ' Cannes
3130 DATA 75,75,75,75,75,75,67,67,12,75,12,142,75,75,75 >KT
,75,75,75,75,75,12,0,12,67,12,67,75,75,75,67,12,12,12,1
2,75,75,75,75,12,75
3140 DATA 75,75,12,12,12,12,75,67,12,67,12,12,75,67,12, >RE
12,75,75,75,75,75,170,75,75,67,75,236,75,75,12,75,75,12
,12,142,75,67,12,75,67  ' Carcassonne
3150 DATA 30,8,8,54,50,50,30,225,44,30,178,44,50,8,54,5 >AX
4,30,8,30,8,44,44,0,32,44,32,8,54,8,257,44,115,44,44,32
,54,8,54,44,32
3160 DATA 50,54,44,115,44,32,30,50,44,184,11,32,54,219, >JZ
44,44,54,8,8,30,30,44,54,54,32,54,30,8,54,44,54,54,11,4
4,30,54,32,44,54,32  ' Chalon/Saone
3170 DATA 77,65,65,65,77,77,77,77,77,77,322,77,77,65,77 >NP
,65,77,65,77,65,77,77,77,0,77,152,65,77,65,77,77,77,77,
77,65,58,65,65,77,65
3180 DATA 77,65,77,77,77,80,77,77,77,77,52,211,65,77,77 >VV
,77,58,318,65,77,77,77,58,65,94,65,77,65,65,77,65,65,80
,77,77,58,127,77,65,137  ' Chalons/Marne
3190 DATA 43,43,44,43,43,43,43,44,34,43,295,34,43,44,43 >KR
,43,43,43,43,44,34,34,44,44,0,44,43,43,43,43,34,44,34,9
7,44,43,44,43,43,44
3200 DATA 43,43,143,190,34,44,43,43,34,43,11,44,43,43,3 >NX
4,34,43,43,44,43,43,34,43,43,44,43,43,44,43,43,43,43,11
,34,43,43,44,34,43,44  ' Chamb{ry
3210 DATA 24,65,242,65,24,24,24,24,24,24,80,24,24,319,2 >VH
4,65,24,65,24,311,24,24,24,152,24,0,65,24,65,24,24,24,2
4,24,147,65,65,65,24,235
3220 DATA 24,65,24,24,24,210,24,24,24,24,46,46,65,24,24 >QX
,24,65,65,65,24,24,24,65,65,133,65,24,65,65,24,65,65,46
,24,24,65,24,24,65,152  ' Charleville
3230 DATA 58,166,260,38,76,76,58,262,58,76,8,58,76,68,5 >LE
8,38,58,240,58,68,58,58,8,59,58,59,0,58,18,58,58,8,58,5
8,59,76,68,157,58,3
3240 DATA 58,38,58,58,58,59,76,58,58,58,77,59,38,58,58, >VW
58,76,123,138,76,58,58,76,38,59,38,58,179,38,58,2,38,59
,58,58,183,270,58,38,59  ' Chartres
3250 DATA 41,76,58,76,260,5,41,15,48,5,15,48,5,58,117,7 >GP
6,41,76,41,58,48,41,15,15,48,15,58,0,76,48,48,15,48,48,
58,63,58,76,48,58
3260 DATA 176,76,48,15,48,15,41,148,48,15,15,15,76,15,4 >VE
8,48,63,188,58,41,41,41,170,76,15,76,41,58,76,48,76,76,
15,48,41,161,15,48,76,15  ' Chateauroux
3270 DATA 4,18,18,333,4,4,4,18,18,4,18,4,4,18,18,69,4,1 >TV
70,4,18,18,4,18,18,18,18,18,18,0,18,18,18,18,18,18,66,1
8,18,18,18
3280 DATA 4,66,18,18,18,18,4,18,18,18,18,18,66,18,18,18 >ZH
,4,18,18,4,4,4,4,66,18,264,4,18,308,18,249,66,18,18,4,1
8,18,18,66,18  ' Cherbourg
3290 DATA 17,48,48,48,41,17,214,50,70,17,23,424,17,48,4 >TU
8,48,227,48,17,48,70,67,257,50,70,50,48,48,48,0,70,50,7
0,70,50,41,48,48,180,48
3300 DATA 228,41,70,249,70,50,17,141,414,146,23,50,41,5 >AU
0,70,396,41,48,48,17,17,12,41,41,50,48,282,48,48,196,48
,41,23,70,17,48,50,70,41,50  ' Clermont-Fd
3310 DATA 9,33,33,33,9,9,9,33,195,9,33,9,9,33,33,33,9,3 >TJ
3,9,33,182,9,33,33,33,33,33,33,33,78,0,33,137,33,33,9,3
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3320 DATA 78,33,33,33,190,33,9,33,9,33,33,33,33,33,191, >CK
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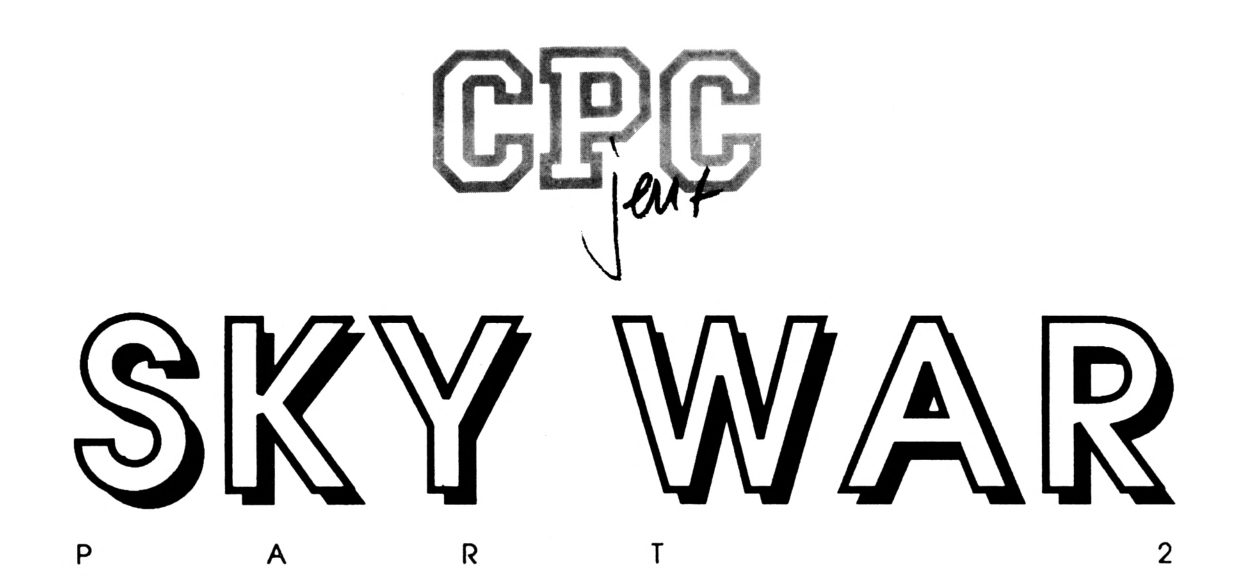
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3330 DATA 50,8,8,15,50,50,50,203,23,50,172,23,50,8,296,  >YF
8,50,8,50,77,23,23,115,77,23,77,8,15,8,50,23,0,23,23,77
,15,8,8,23,77
3340 DATA 50,15,23,23,23,52,50,50,23,235,11,246,15,239,  >GX
23,23,15,8,8,50,50,23,15,15,77,8,50,8,8,23,8,15,11,23,5
0,15,202,23,15,307  ' Dijon
3350 DATA 78,34,34,34,34,34,78,34,236,78,34,9,34,34,34,  >KN
34,34,34,78,34,31,9,34,34,34,34,34,34,34,34,137,34,0,15
3,34,34,34,34,78,34
3360 DATA 34,34,34,34,31,34,78,34,9,34,34,34,34,34,31,9  >AB
,34,34,34,9,34,9,34,34,34,34,9,34,34,34,34,34,34,31,9,3
4,34,210,34,34  ' Gap
3370 DATA 78,43,43,43,70,70,78,43,78,78,332,78,70,43,43  >MR
,43,70,43,78,43,33,78,43,43,97,43,43,43,43,70,33,43,153
,0,43,43,43,43,78,43
3380 DATA 70,43,154,43,78,43,78,43,78,43,11,43,43,43,33  >RM
,78,43,43,43,78,70,78,43,43,43,43,78,43,43,189,43,43,11
,78,78,43,43,147,43,43  ' Grenoble
3390 DATA 59,59,176,59,59,59,59,65,65,59,65,65,59,291,6  >VZ
5,59,59,68,59,272,65,59,65,65,65,147,59,59,68,65,65,65,
65,65,0,59,68,59,65,207
3400 DATA 59,59,65,65,65,65,59,65,65,65,65,65,59,65,65,  >TM
65,59,59,186,59,59,65,59,59,100,59,59,274,59,65,59,59,6
5,65,59,59,65,65,59,65  ' Laon
3410 DATA 13,4,57,243,178,13,5,57,5,13,57,13,207,4,57,5  >MV
3,5,4,5,4,5,13,57,57,57,57,57,57,53,5,5,57,57,57,57,0,4
,4,5,57
3420 DATA 5,53,57,57,5,57,13,57,5,57,57,57,195,57,5,5,1  >TW
11,57,57,13,5,13,57,53,57,53,5,4,53,5,53,53,57,5,13,57,
57,5,53,57  ' La Rochelle
3430 DATA 2,228,230,2,2,2,68,68,68,2,68,68,2,292,68,18,  >ZA
68,156,68,14,68,68,68,68,68,68,68,18,68,68,68,68,68,
68,2,0,2,68,3
3440 DATA 68,18,68,68,68,68,2,68,68,68,68,68,2,68,68,68  >ZF
,2,68,68,2,2,68,2,18,68,18,68,132,18,68,18,18,68,68,68,
2,68,68,18,68  ' Le Havre
3450 DATA 57,99,2,142,76,57,76,58,76,57,58,76,57,2,76,6  >XF
6,76,2,76,2,76,76,76,27,76,27,157,76,2,76,76,58,76,76,2
7,4,2,0,76,2
3460 DATA 76,66,76,76,76,27,57,76,76,76,58,27,4,76,76,7  >QW
6,261,188,27,57,76,76,76,66,27,194,76,2,66,76,243,4,27,
76,76,130,58,76,66,27  ' Le Mans
3470 DATA 7,30,30,30,7,7,218,30,263,7,70,364,7,30,30,30  >YV
,7,30,7,30,9,12,70,70,70,70,30,30,30,180,78,70,78,78,70
,7,30,30,0,30
3480 DATA 30,30,70,70,9,70,7,30,252,30,70,70,30,30,9,23  >JN
5,30,30,30,67,7,12,30,30,70,30,256,30,30,127,30,30,70,9
,67,30,70,158,30,70  ' Le Puy
3490 DATA 59,3,162,3,59,59,59,59,35,59,35,59,59,159,59,  >CD
3,59,3,59,154,35,59,35,35,35,35,235,3,59,3,59,35,35,35,35,
207,59,3,3,59,0
3500 DATA 59,3,35,35,35,26,59,59,59,59,26,26,3,59,35,35  >VB
,59,59,277,59,59,59,59,3,35,3,59,3,3,35,3,3,26,35,59,59
,35,35,3,26  ' Lille
3510 DATA 61,76,28,63,153,5,219,28,17,5,48,17,5,28,28,6  >MV
3,148,76,17,28,17,17,48,28,30,28,28,176,63,228,30,48,30
,30,28,5,28,76,30,28
3520 DATA 0,63,30,48,17,48,61,197,17,48,48,48,63,48,17,  >TN
17,210,28,28,61,152,17,171,63,28,63,17,28,63,30,63,63,4
8,17,17,256,28,30,63,28  ' Limoges
3530 DATA 79,66,66,79,79,79,79,66,79,79,79,79,79,66,79,  >MX
64,79,66,79,66,79,79,79,66,79,66,66,79,66,79,79,79,79,7
9,66,79,66,66,79,66
3540 DATA 79,0,79,79,79,66,79,79,79,79,66,66,79,79,79,7  >UJ
9,79,66,66,79,79,79,79,116,66,161,79,66,164,79,190,79,6
6,79,79,79,66,79,99,66  ' Lorient
3550 DATA 70,50,44,50,70,70,70,44,78,70,258,78,70,44,50  >QL
,50,70,50,70,44,78,78,44,44,143,44,50,48,50,70,34,44,34
,154,44,48,44,50,70,44
3560 DATA 70,50,0,112,78,44,70,272,78,233,11,44,50,50,7  >TR
8,78,48,50,44,70,70,78,48,50,44,50,70,44,50,105,50,50,1
1,78,70,50,44,150,50,44  ' Lyon
3570 DATA 30,50,23,50,50,30,30,23,43,30,218,43,30,23,50  >RN
,50,30,50,30,23,43,43,115,23,190,23,50,50,50,249,43,23,
43,43,23,50,23,50,43,23
3580 DATA 50,50,112,0,43,23,30,50,43,188,11,23,50,200,4  >MM
3,43,50,50,23,30,30,43,50,50,23,50,43,23,50,43,50,50,11
,43,30,50,23,43,50,23  ' Macon
3590 DATA 49,9,9,9,49,49,9,9,146,49,9,49,49,9,9,49,49,9  >VD
,49,9,74,49,9,9,9,9,9,9,9,9,190,9,31,9,9,49,9,9,9,9
3600 DATA 49,49,9,9,0,9,49,9,210,9,9,9,49,9,74,170,49,9  >BT
,9,49,49,49,49,49,9,9,49,9,9,9,9,49,9,114,49,9,9,9,49,9
 ' Marseille
3610 DATA 52,80,80,80,52,52,52,77,52,52,52,52,52,26,77,  >MG
80,52,80,52,26,52,52,52,80,52,210,80,77,80,52,52,52,52,
52,80,77,80,80,52,26
3620 DATA 52,80,52,52,52,0,52,52,52,52,52,107,80,52,52,  >QK
52,77,80,80,52,52,52,77,80,80,80,52,80,80,52,80,80,212,
52,52,80,258,52,80,115  ' Metz
3630 DATA 177,13,13,13,13,171,1,61,75,148,1,75,178,13,6  >WP
1,13,1,13,1,13,75,75,1,61,1,61,13,61,13,1,75,1,1,1,13,1
3,13,13,1,13
3640 DATA 61,13,1,1,75,1,0,61,75,1,1,1,13,61,75,75,13,1  >UD
3,13,133,250,75,13,13,13,13,1,13,13,1,13,13,1,75,244,13
,61,1,13,61  ' Mont de Marsan
3650 DATA 41,28,15,28,41,41,261,54,30,41,50,30,41,15,15  >TA
0,28,41,28,41,15,30,30,50,54,43,54,15,148,28,141,43,50,
43,43,54,63,15,28,30,15
3660 DATA 197,63,272,50,30,50,41,0,30,126,50,50,63,153,  >TH
30,30,63,15,15,41,41,30,269,63,54,28,30,15,28,30,28,63,
50,30,41,28,54,30,63,54  ' Montlu\on
3670 DATA 12,30,30,67,67,12,67,56,56,12,56,114,12,30,30  >TV
,67,67,30,67,30,351,12,56,56,56,56,30,30,30,414,56,56,5
6,56,56,67,30,30,252,30
3680 DATA 67,67,56,56,210,56,12,30,0,30,56,56,67,30,21,  >MU
96,67,30,30,12,67,12,67,67,56,67,230,30,67,56,67,67,56,
45,12,30,56,56,67,56  ' Montpellier
3690 DATA 30,15,54,15,48,48,30,54,70,48,23,30,48,54,150  >TH
,15,30,15,30,54,70,30,184,54,43,54,15,15,15,146,43,235,
43,43,54,48,15,15,30,54
3700 DATA 48,15,233,188,70,32,30,126,30,0,23,32,15,104,  >RE
70,30,48,15,54,30,48,30,48,15,54,15,30,15,15,226,15,15,
23,70,30,15,54,70,15,54  ' Moulins
3710 DATA 11,77,52,11,11,11,11,389,11,11,181,11,11,52,1  >MB
1,77,11,77,11,52,11,11,11,52,11,52,77,11,77,11,11,11,11
,11,52,11,77,77,11,52
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3720 DATA 11.77.11.11.11,52.11,11,11,11,0,226,11,11,11, >MA
11,11.77,77.11.11,11,11,77.52.77,11.77,77,11,77,11,158.
11.11,11,349.11,11,52  ' Mulhouse
3730 DATA 32,59.24,77.32,32,32,77,32,32,237,32,32.24,77 >QR
,59.32.24,32,24,32,32,32,211,32,46,59,77.24,32,32,246,3
2,32.24,77,24.59,32.46
3740 DATA 32.59.32.32.32,107,32,32,32,32,226.0,77,32,32 >VK
.32.77,77,366.32,32,32.77,59,24.59.32,24.59,32,59,77,19
4.32,32,77,235.32.59.144  ' Nancy
3750 DATA 36,4,4,139,57,36,63,4,4,36,4,63,36,4,4.79,63. >ZE
324.63,4.63.36.4,4,4.4,4,4.66,63,4,4,4,4,4,195,4,4,63,4

3760 DATA 63,79,4,4,63,4,36,63,63,4,4,4,0,4,63,63,194.4 >KW
.4.36,57,36,229.79,4.157.63.4,66.4,66,112.4,63,36,4,4,4
.160.4  ' Nantes
3770 DATA 50.58,59,15.48,48,50,162,50.48.307,50,48,59.1 >PA
18.15,50,58,50,59.50.50,219.8,50.8,58.15,58.50,50,239.5
0,50.8,15,59,15,50,59
3780 DATA 48.15.50,200,50.32,48,153.50,104,11.32,15.0,5 >LG
0,50,15,210,286,48,48,50,15,15,8,15,50,59,15,50,15,15,1
1,50,50,15,8,50,15.8  ' Nevers
3790 DATA 21,21,21,21,21,21,21,21.21,21,21,21,21,21,21, >KN
21,21,21.21,21,82,21,21,21.31,21,21,21,21.21.191,21.31.
31,21,21,21,21,21,21
3800 DATA 21,21,21,21,21,21,21,21.21,21,21,21,21,21,0.2 >FF
1,21,21.21,21,21.21,21,21,21.21,21,21,21.21,21,21,21,21
.21,21,21,21,21.21  ' Nice
3810 DATA 49,30.78,49,49.49,374,78,94.49,78,49,49,78,30 >QY
,49,49,30,49,78,310,49,78.78,78,78,30,30,30,396,9,78,9,
78,78,49,30,30,235,78
3820 DATA 49.49,78,78,170,78,49,30,96,30,78,78,49,30,21 >NU
,0,49,30,78,49,49,49,49,49,78,49.49,30,49,78,49,49,78,4
5,49,30,78,172,49,78  ' Nimes
3830 DATA 13,38.63,202,152,13,41.63,41,13,63,13,208,38, >QB
63,53,41,38,5,38,41,13,63,63,63,63,63,63.4,41,41,63,63.
63,63,111,38,261,41,63
3840 DATA 210,53,63,63,41,63,13,63,41,63,63,63,194,63,4 >LH
1,41,0,63,63,13.5,13,120,53,63,53,41,38,53,41,53,53,63,
41,13,63,63,41,53,63  ' Niort
3850 DATA 28,215,59,76,76,76,28,206,15,76,8,15,76,59,15 >UT
6,38,28,27,28,59,15,28,8,318,15,65,123,188,27,15,15,8,1
5,15,59,76,27,188,15,59
3860 DATA 28,38,15,15,15,24,76,15,15,15,77,77,76,210,15 >UD
.15,76,0,177,76,28,28,76,38,310,38,28,27,38,15,38,76,77
.15,28,163,238,15,38,24  ' Orl{ans
3870 DATA 58,243,186,27,58,58,58,216,8,58,8,58,58,295,5 >KF
8,27,58,68,58,338,8,58,8,65,8,65,138,58,68,58,8,8,8,8,1
86,58,68,27,58,277
3880 DATA 58,27,8,8,8,65,58,58,58,54,77,366,27,286,8,8, >FM
58,177,0,58,58,58,58,27,190,27,58,173,27,54,2,27,65,8,5
8,58,209,8,27,65  ' PARIS
3890 DATA 207,47,47,47,47,47,1,47,75,156,1,75,47,47,47, >ZU
47.1,47,1,47,75,75,1,47,1,47,47,47,47,1,75,1,75,75,47,4
7,47,47,75,47
3900 DATA 47,47,1,1,75,1,133,47,75,1,1,1,47,47,75,75,47 >ZQ
,47,47,0,47,380,47,47,47,47,75,47,47,1,47,47,1,75,233,4
7,47,75,47,47  ' Pau
3910 DATA 188,5,41,5,136,13,17,41,17,13,17,17,171,41,41 >DJ
,5,123,5,175,41,17,19,17,41,17,41,41,41,5,17,17,41,17,1
7,41,5,5,5,17,41
3920 DATA 152,5,17,17,17,41,250,41,17,41,17,41,5,41,17, >QV
17,5,41,41,47,0,19,5,5,41,5,17,41,5,17,5,5,17,17,19,5,4
1,17,5,41  ' P{rigueux
3930 DATA 22,22,22,22,22,22,12,12,12,60,12,144,22,22,12 >MD
,22,22,22,22,22,12,170,12,12,12,12,22,22,22,12,12,12,12
,12,12,22,22,22,12,22
3940 DATA 22,22,12,12,12,12,22,12,12,12,12,12,22,12,12, >HP
12,22,22,22,380,22,0,22,22,12,22,12,22,22,12,22,22,12,1
2,22,22,12,12,22,12  ' Perpignan
3950 DATA 5,76,76,183,160,57,41,28,41,57,28,41,57,76,28 >ML
,53,41,76,41,76,41,41,28,76,48,76,76,170,4,41,41,28,48,
48,76,57,76,76,41,76
3960 DATA 171,53,48,48,41,28,57,269,41,48,28,28,229,28, >KF
41,41,120,76,76,57,5,41,0,53,76,4,41,76,4,41,4,53,28,41
,41,154,28,41,53,28  ' Poitiers
3970 DATA 42,42,42,42,42,42,42,42,42,42,42,42,42,42,42, >LP
122,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,42,
42,42,42,42,42,42,42
3980 DATA 42,116,42,42,42,42,42,42,42,42,42,42,42,42,42 >LA
,42,42,42,42,42,42,42,42,0,42,42,42,42,198,42,42,42,42,
42,42,42,42,42,42,42  ' Quimper
3990 DATA 24,59,35,59,24,58,24,24,24,58,24,24,58,35,24, >PY
59,24,68,24,35,24,24,24,94,24,133,59,24,68,24,24,24,24,
24,100,58,68,59,24,35
4000 DATA 24,59,24,24,24,24,58,24,24,24,24,24,59,24,24, >PE
24,58,310,190,58,24,24,58,59,0,59,24,284,59,24,59,59,24
,24,24,58,24,24,59,24  ' Reims
4010 DATA 53,200,2,176,53,53,4,38,38,53,38,4,53,2,38,69 >EG
,4,224,4,2,38,53,38,38,38,38,38,38,264,38,38,38,38,38,3
8,53,18,194,38,2
4020 DATA 4,161,38,38,38,38,53,38,4,38,38,38,157,38,38, >JA
4,53,38,38,53,53,53,4,42,38,0,4,2,149,38,119,169,38,38,
53,38,38,38,157,38  ' Rennes
4030 DATA 19,17,17,17,17,19,139,30,49,19,39,246,19,17,3 >ZL
0,17,207,17,165,17,49,236,30,30,39,30,17,17,17,282,49,3
0,49,78,17,17,17,17,256,17
4040 DATA 17,17,39,39,49,30,19,30,230,30,39,30,17,30,49 >NL
,49,17,17,17,75,17,12,17,17,30,17,0,17,17,39,17,17,39,4
9,206,17,30,345,17,30  ' Rodez
4050 DATA 27,196,167,2,27,2,27,59,59,2,59,27,2,208,27,1 >KH
8,27,168,27,14,59,27,59,65,59,65,179,27,18,27,59,59,59,
59,274,2,132,2,27,3
4060 DATA 27,2,59,59,59,65,2,27,27,27,59,65,2,59,59,27, >VB
2,27,173,2,27,27,27,2,284,2,27,0,18,27,18,2,65,59,27,27
,59,59,2,65  ' Rouen
4070 DATA 66,287,18,66,66,66,66,66,66,66,66,66,66,18,66 >VE
,196,66,275,66,18,66,66,66,66,66,66,66,66,308,66,66,66,
66,66,66,66,18,66,66,18
4080 DATA 66,164,66,66,66,66,66,66,66,66,66,66,66,66,66 >VH
,66,66,66,66,66,66,66,66,198,66,149,66,18,0,66,129,79,6
6,66,66,66,66,66,166,66  ' St Brieuc
4090 DATA 30,50,50,50,30,30,39,43,78,30,43,78,30,50,50, >QB
50,30,50,39,50,78,78,43,43,43,43,50,30,50,196,78,43,34,
189,43,30,50,50,127,43
4100 DATA 30,50,105,43,78,43,30,30,78,226,43,43,50,50,7 >NW
8,78,30,50,50,30,30,78,30,50,43,50,39,50,50,0,50,50,43,
78,39,50,43,143,50,43  ' St Etienne
4110 DATA 66,228,18,66,66,66,66,38,76,66,38,66,66,18,76 >LV
```

```
,69,66,2Ø9,66,18,76,66,76,2,76,2,2,76,249,76,76,38,76,7
6,2,66,18,243,76,18
412Ø DATA 66,19Ø,76,76,76,2,66,76,66,76,2,2,66,76,76,66 >CB
,66,38,2,66,66,66,66,42,2,119,66,18,129,76,Ø,66,2,76,66
,318,2,76,186,2  ' St Malo
413Ø DATA 53,53,53,53,53,53,53,53,53,53,53,53,53,53,53, >KC
79,53,66,53,53,53,53,53,53,53,53,53,53,66,53,53,53,53,5
3,53,53,66,53,53,53
414Ø DATA 53,79,53,53,53,53,53,53,53,53,53,53,112,53,53 >PH
,53,53,53,53,53,53,53,53,79,53,169,53,53,79,53,66,Ø,53,
53,53,53,53,53,14Ø,53  ' St Nazaire
415Ø DATA 51,46,46,52,51,51,51,52,51,51,51,51,51,46,51, >KJ
46,51,46,51,46,51,51,51,46,51,46,46,51,46,51,51,51,51,5
1,46,51,46,46,51,46
416Ø DATA 51,46,51,51,51,212,51,51,51,51,158,194,52,51, >NT
51,51,51,52,46,51,51,51,51,46,46,46,51,46,46,51,46,52,Ø
,51,51,52,52,51,46,46  ' Strasbourg
417Ø DATA 45,45,45,45,45,45,45,45,45,45,45,45,45,45,45, >PP
45,45,45,45,45,179,45,45,45,45,45,45,45,45,45,238,45,31
,45,45,45,45,45,45,45
418Ø DATA 45,45,45,45,114,45,45,45,45,45,45,45,45,45,21 >KK
,45,45,45,45,45,45,45,45,45,45,45,45,45,45,45,45,45,45,
Ø,45,45,45,45,45,45  ' Toulon
419Ø DATA 16Ø,19,19,19,19,1,19,19,22,6Ø,19,22,1,19,19,1 >HA
,19,19,162,19,22,142,19,19,67,19,19,19,19,19,22,19,22,6
7,19,1,19,19,67,19
42ØØ DATA 19,1,67,19,22,19,244,19,22,19,19,19,1,19,22,2 >WX
2,1,19,19,233,19,22,19,1,19,1,2Ø6,19,1,67,1,1,19,22,Ø,1
9,19,67,1,19  ' Toulouse
421Ø DATA 63,38,27,167,63,63,41,58,15,63,15,41,63,27,2Ø >VB
Ø,38,41,38,41,27,15,41,15,58,15,58,183,161,38,28,15,15,
15,15,58,63,38,13Ø,28,58
422Ø DATA 256,4,15,15,15,58,63,28,28,15,15,58,4,15,15,2 >FQ
8,63,163,58,63,63,41,154,4,58,38,41,27,38,15,318,4,58,1
5,41,Ø,58,15,4,58  ' Tours
423Ø DATA 8,27,295,58,8,8,8,131,32,8,272,32,8,24,8,58,8 >XR
,59,8,24,32,8,32,127,32,24,27Ø,8,59,8,32,2Ø2,32,32,24,8
,59,58,32,24
424Ø DATA 8,58,32,32,32,258,8,8,32,8,349,235,58,8,32,32 >ZQ
,8,238,2Ø9,8,8,32,8,58,24,58,8,59,58,32,27,58,52,32,8,5
8,Ø,32,58,215  ' Troyes
425Ø DATA 39,7Ø,43,7Ø,7Ø,7Ø,39,43,179,39,43,56,7Ø,43,7Ø >TX
,7Ø,7Ø,7Ø,39,43,9,56,43,43,34,43,7Ø,7Ø,7Ø,7Ø,259,43,21Ø
,147,43,7Ø,43,7Ø,158,43
426Ø DATA 7Ø,7Ø,15Ø,43,9,43,39,7Ø,56,7Ø,43,43,7Ø,7Ø,9,1 >KB
72,7Ø,7Ø,43,67,7Ø,56,7Ø,7Ø,43,7Ø,345,43,7Ø,143,7Ø,7Ø,43
,9,67,7Ø,43,Ø,7Ø,43  ' Valence
427Ø DATA 53,66,66,53,53,53,53,66,53,53,53,53,53,66,53, >KV
42,53,66,53,66,53,53,53,66,53,66,66,53,66,53,53,53,53,5
3,66,53,66,66,53,66
428Ø DATA 53,99,53,53,53,66,53,53,53,53,53,66,16Ø,53,53 >UB
,53,53,66,66,53,53,53,53,42,66,157,53,66,166,53,186,14Ø
,66,53,53,53,66,53,Ø,66  ' Vannes
429Ø DATA 77,24,24,24,77,77,77,77,32,77,356,32,77,26,77 >UB
,24,77,24,77,26,32,77,32,137,32,152,24,77,24,77,32,3Ø7,
32,32,24,77,24,24,32,26
43ØØ DATA 77,24,32,32,32,115,77,77,32,77,52,144,24,77,3 >NV
2,32,77,24,24,77,77,32,77,24,24,24,77,24,24,32,24,24,46
,32,77,24,215,32,24,Ø  ' Verdun■
```



Luc et Hervé GUILLAUME

Valable pour CPC 464 – 664 – 6128
Ne fonctionne pas sur les CPC+

Un professeur français, spécialiste en physique nucléaire se fait enlever à Paris par les services secrets d'un petit état d'Amérique du sud : le San-Carlos.

Etant le meilleur agent de la D.G.S.E., vous allez être lancé à la poursuite des kidnappeurs.

Votre seconde mission : vous êtes maintenant dans la jungle, mitrailleuse à la main vous devrez affronter les soldats du San-Carlos. Le professeur se trouve au bout de cette luxuriante jungle.

(RETURN) = Pause (ESC) = Abandon

Ce jeu est composé de quatre fichiers :

NOM	IMPLANTATION	TAILLE	IDENTIFICATION
SKYWAR2.BAS			Loader BASIC
SKYWAR2.SPR	&2710	&2710	Sprites
SKYWAR2.DEC	&5208	&14B4	Décors tableaux
SKYWAR2.COD	&6784	&3DOC	Programmation

Le fichier DATAS1.BAS crée le fichier SKYWAR2.SPR, le fichier DATAS2.BAS crée le fichier SKYWAR2.DEC, les fichiers DATAS3.BAS et DATAS4.BAS créent le fichier SKYWAR2.COD.

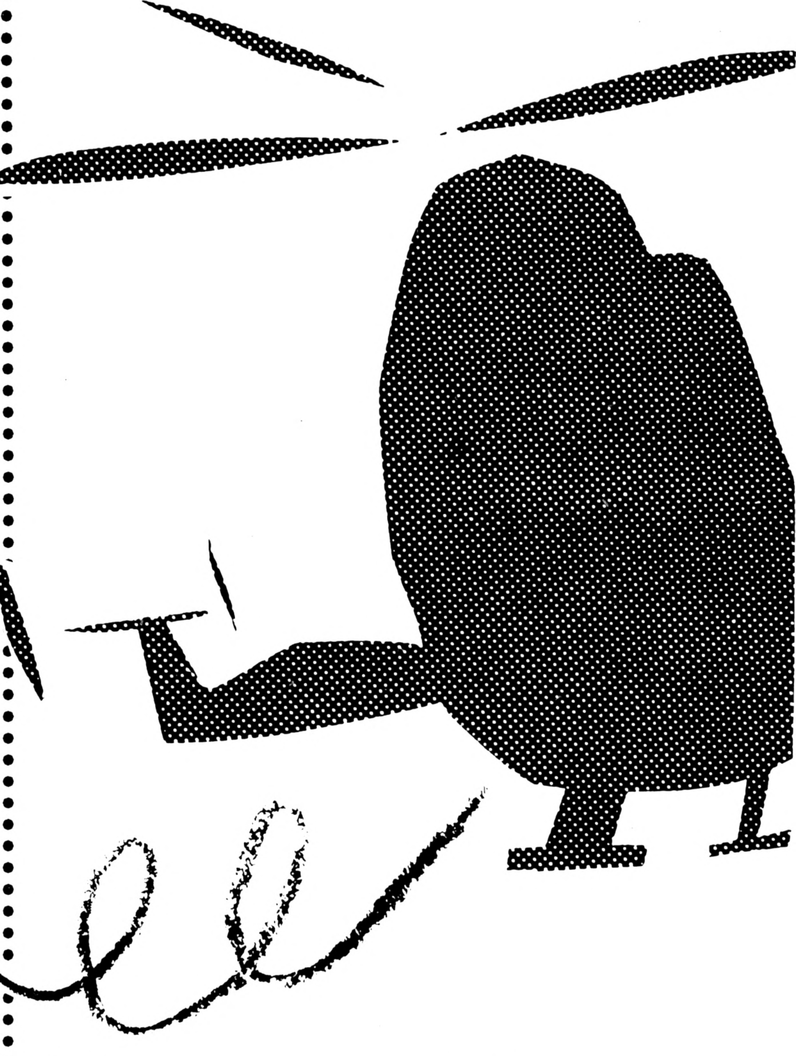
DATAS1.BAS

```
10 '
20 ' DATAS pour SKYWAR2.SPR
30 '
40 MODE 2:AD=&C000:NL=110
50 FOR B=1 TO 667:TOT=0:FOR T=0 TO 14:READ A$
60 POKE AD,VAL("&"+A$):TOT=TOT+(PEEK(AD)*T):AD=AD+1
70 NEXT:READ SOM:IF SOM<>TOT THEN 90
80 NL=NL+10:NEXT:SAVE"SKYWAR2.SPR",B,&C000,&2710:CLS:END
90 CLS:LOCATE 1,1:PRINT"LIGNE";NL;"INCORRECTE":END
100 '
110 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
120 DATA 00,00,00,00,00,00,00,00,00,00,51,00,11,00,41,1924
130 DATA 00,00,00,A2,00,A2,54,00,54,00,93,00,63,00,22,5606
140 DATA 00,00,00,F3,A2,A0,A2,0A,A0,08,0A,08,08,5D,08,6176
150 DATA 0C,08,00,00,51,00,F3,00,50,00,05,00,04,00,AE,4964
160 DATA AA,0C,08,00,00,F3,A2,A0,A2,00,A0,0C,0A,08,00,6587
170 DATA 5D,08,0C,08,00,00,F3,A2,A0,A2,00,A0,04,0A,00,7324
180 DATA 08,5D,08,0C,08,00,00,A2,00,A0,00,0A,A2,08,A0,7149
190 DATA 0C,0A,FF,08,00,08,00,00,F3,A2,A0,A0,0A,00,0E,7662
200 DATA 08,00,08,5D,08,0C,08,00,00,F3,A2,A2,A0,A0,00,10024
210 DATA 0E,08,08,08,5D,08,0C,08,00,00,F3,A2,A0,A2,00,8826
220 DATA A0,00,0A,00,08,00,08,00,08,00,00,F3,A2,A0,A2,9129
230 DATA 0A,A0,0C,0A,08,08,5D,08,0C,08,00,00,F3,A2,A0,8330
240 DATA A2,0A,A0,0C,0A,00,08,5D,08,0C,08,00,00,00,00,1357
250 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
260 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
270 DATA 00,AA,55,08,AE,0A,0D,A2,AE,0A,55,08,00,AA,00,6952
280 DATA 00,00,AA,55,08,AE,0A,0D,A2,AE,0A,55,08,00,AA,8021
290 DATA 00,00,AA,00,5D,00,0E,AA,A7,08,0E,AA,5D,00,AA,8900
300 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
310 DATA 00,00,C0,C0,00,00,00,00,00,00,00,00,00,00,00,960
```



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320 DATA 00,00,00,C0,C0,F3,A2,A8,A2,A8,A8,22,A8,33,22,12724
330 DATA 63,22,22,22,00,00,F3,A2,A2,A2,A8,A8,B9,00,22,11774
340 DATA 22,22,22,33,22,00,00,F3,A2,A2,A2,A2,00,A8,00,10432
350 DATA A8,82,63,22,33,22,00,00,F3,00,A2,A2,A8,A2,A8,12624
360 DATA A8,22,A8,63,22,33,82,00,00,F3,A2,A2,00,A8,00,9611
370 DATA FC,00,22,00,63,82,33,22,00,00,F3,A2,A2,00,A8,10166
380 DATA 00,E9,00,33,00,22,00,22,00,00,00,F3,A2,A2,A2,9785
390 DATA A8,00,A8,A8,22,A8,63,22,33,22,00,00,A2,A2,A8,9764
400 DATA A2,A8,A8,33,A8,22,22,22,22,22,22,00,00,F3,A2,8286
410 DATA 51,00,54,00,54,00,11,00,93,82,33,22,00,00,51,4970
420 DATA A2,00,A2,00,A8,00,A8,00,22,63,22,33,22,00,00,4476
430 DATA A2,A2,A8,A2,A8,A8,33,00,63,22,22,22,22,22,00,5464
440 DATA 00,A2,00,A2,00,A8,00,A8,00,22,00,63,82,33,22,6758
450 DATA 00,00,A2,A2,F9,A2,A8,A8,22,A8,22,22,22,22,22,8624
460 DATA 22,00,00,F3,00,A8,A2,A8,A8,22,A8,22,22,22,22,8747
470 DATA 22,22,00,00,F3,A2,A8,A2,A8,A8,22,A8,22,22,63,11238
480 DATA 22,33,22,00,00,F3,A2,A8,A2,A8,A8,22,A8,33,22,11499
490 DATA 22,00,22,00,00,00,F3,A2,A8,A2,A8,A8,22,A8,63,12968
500 DATA 22,33,22,93,82,00,00,F3,A2,A8,A2,A8,A8,22,A8,13867
510 DATA 33,00,63,22,22,22,00,00,F3,A2,A2,A2,A8,00,B9,12016
520 DATA 22,00,22,63,22,33,22,00,00,F3,A2,51,00,54,00,6750
530 DATA 54,00,11,00,11,00,11,00,00,00,A2,A2,A8,A2,A8,10080
540 DATA A8,22,A8,22,22,63,22,33,22,00,00,A2,A2,A8,A2,10114
550 DATA A8,A8,22,A8,63,22,11,00,11,00,00,00,A2,A2,A8,7946
560 DATA A2,A8,A8,22,A8,63,22,33,22,22,22,00,00,A2,A2,7626
570 DATA A8,A2,A8,A8,11,00,63,22,22,22,22,22,00,00,A2,5462
580 DATA A2,A8,A2,A8,A8,63,A8,33,22,11,00,11,00,00,00,4140
590 DATA F3,A2,A2,A8,00,A8,11,00,22,00,63,22,33,22,00,4622
600 DATA 00,00,00,00,FF,FF,FF,FF,FF,AA,00,FF,AA,00,55,15215
610 DATA FF,AA,00,FF,AA,00,55,FF,AA,00,00,00,55,5D,FF,11069
620 DATA FF,FF,FF,FF,55,5D,FF,00,55,FF,FF,55,5D,FF,00,14756
630 DATA 55,FF,FF,00,00,00,55,AE,FF,FF,FF,FF,FF,FF,AE,20994
640 DATA FF,AA,55,FF,FF,FF,AE,FF,AA,55,FF,FF,AA,00,00,15749
650 DATA 55,FF,5D,FF,FF,FF,FF,FF,FF,5D,FF,55,FF,FF,FF,23123
660 DATA FF,5D,FF,55,FF,FF,FF,00,00,55,FF,AE,5A,F1,F2,17513
670 DATA 0C,5A,FF,AE,5A,55,FF,AE,5A,FF,AE,5A,55,FF,AE,17171
680 DATA 5A,00,00,55,FF,AE,5A,F0,F0,AE,5B,FF,AE,5A,55,16014
690 DATA FF,AE,5A,FF,AE,5A,55,FF,AE,5A,00,00,55,FF,AE,13533
700 DATA 5A,0F,0F,AE,5B,FF,AE,5A,55,FF,AE,5A,FF,AE,5A,16167
710 DATA 55,FF,AE,5A,00,00,55,FF,AE,5A,0C,0C,AE,5A,FF,12450
720 DATA AE,5A,55,FF,AE,5B,FF,AE,5A,55,FF,AE,5A,00,00,11953
730 DATA 55,FF,AE,5A,FF,FF,AE,5A,FF,AE,5A,55,FF,AE,5B,16879
740 DATA FF,AE,5A,55,FF,AE,5A,00,00,55,FF,AE,5B,00,00,9360
750 DATA AE,5A,FF,AE,5A,55,FF,AE,5B,FF,AE,5B,55,FF,AE,17190
760 DATA 5B,00,00,55,FF,AE,5B,00,00,55,FF,FF,AE,5B,55,13272
770 DATA FF,AE,5B,FF,AE,5B,55,FF,AE,5B,00,00,55,FF,AE,13549
780 DATA 5B,00,00,00,55,FF,AE,5B,55,FF,AE,5B,FF,AE,5B,15608
790 DATA 55,FF,AE,5B,00,00,55,FF,AE,5B,00,00,00,55,FF,10057
800 DATA AE,5B,55,FF,AE,5B,FF,AE,5B,55,FF,AE,5B,00,00,11974
810 DATA 55,FF,AE,5B,00,00,00,55,FF,AE,5B,55,FF,AE,5B,13518
820 DATA FF,AE,5A,55,FF,AE,5B,00,00,55,FF,AE,5A,F5,0D,12721
830 DATA A0,55,FF,AE,5A,F5,FF,AE,5B,FF,AE,5A,F5,FF,AE,19894
840 DATA 5B,00,00,55,FF,AE,5A,F2,AE,5A,55,FF,AE,5A,F2,16882
850 DATA FF,AE,5A,FF,AE,5A,F2,FF,AE,5A,00,00,55,FF,AE,14475
860 DATA 5A,F3,F5,0D,F5,FF,AE,5A,F3,F5,AE,5A,FF,AE,5A,18162
870 DATA F3,F5,AE,5A,00,00,55,FF,AE,5A,F1,F2,AE,5A,FF,17260
880 DATA AE,5A,F1,F2,AE,5A,FF,AE,5A,F1,F2,AE,5A,00,00,13495
890 DATA 55,FF,AE,5A,F0,F0,AE,5A,FF,AE,5A,F0,F0,AE,5F,18325
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900 DATA FF,AE,5A,F0,F0,AE,5A,00,00,00,FF,AE,5A,0F,0F,9393
910 DATA AE,5A,FF,AE,5A,0F,0F,AE,AA,55,AE,5A,0F,0F,AE,10531
920 DATA 5A,00,00,00,55,AE,5A,0C,0C,AE,5A,FF,AE,5A,0C,10627
930 DATA 0C,AE,00,00,FF,FF,0C,0C,FF,FF,00,00,00,00,FF,10530
940 DATA FF,FF,FF,AE,5A,FF,AE,5A,FF,FF,AE,AA,00,55,FF,17216
950 DATA FF,FF,00,00,FF,AA,00,00,00,00,55,FF,AE,5A,FF,12608
960 DATA AE,5A,55,FF,AE,5F,00,55,FF,AE,5B,00,00,F5,FF,14062
970 DATA 00,00,00,00,55,FF,AE,5A,FF,AE,5A,55,FF,AE,5A,15312
980 DATA 00,55,FF,AE,5B,00,00,F0,FF,FF,FF,FF,FF,FF,FF,22796
990 DATA AE,5A,FF,AE,5A,55,FF,AE,5A,00,55,FF,AE,5B,00,12301
1000 DATA 00,F0,F5,FF,FF,FF,FF,FF,FF,AE,5A,FF,AE,5A,55,18864
1010 DATA FF,AE,5A,00,55,FF,AE,5B,00,00,F2,F0,0E,FF,FF,15763
1020 DATA FF,FF,FF,AE,5A,FF,AE,5A,55,FF,AE,5A,00,55,FF,14976
1030 DATA AE,5A,00,00,F3,F0,0E,FF,FF,FF,FF,FF,AE,5A,FF,20649
1040 DATA AE,5A,55,FF,AE,5A,00,55,FF,AE,5A,00,00,F1,F2,13793
1050 DATA 0E,AE,0C,0C,0C,0C,AE,5B,FF,AE,5A,55,FF,AE,5A,14046
1060 DATA 00,55,FF,AE,5A,00,00,FA,F3,0E,AF,0F,0F,0F,0F,7797
1070 DATA AE,5B,FF,AE,5A,00,FF,AE,5A,00,00,FF,AE,5A,00,11014
1080 DATA 00,55,F1,0E,FA,F0,F0,F0,F0,AE,5B,55,AE,5A,00,14518
1090 DATA 55,AE,5A,00,00,55,AE,5A,00,00,00,FA,0E,58,F0,9875
1100 DATA F3,F2,F0,0C,5A,00,AE,0D,00,00,AE,0D,00,00,00,4136
1110 DATA AE,0D,00,00,00,55,FF,FF,FF,FF,FF,FF,FF,FF,00,19818
1120 DATA 55,FF,00,00,55,FF,00,00,00,55,FF,00,00,55,FF,9860
1130 DATA 00,00,55,FF,00,55,FF,FF,FF,FF,FF,00,55,FF,FF,19465
1140 DATA FF,FF,FF,00,00,AE,FF,AA,00,AE,FF,AA,AE,FF,FF,19314
1150 DATA FF,FF,FF,AA,AE,FF,FF,FF,FF,FF,AA,00,FF,5D,FF,20435
1160 DATA 00,FF,5D,FF,FF,5D,FF,FF,FF,FF,FF,FF,5D,FF,FF,23697
1170 DATA FF,FF,FF,00,FF,AE,FF,AA,FF,AE,FF,FF,AE,FF,FF,23309
1180 DATA FF,FF,FF,FF,AE,FF,FF,FF,FF,FF,AA,FF,FF,0D,A0,21125
1190 DATA FF,FF,0D,F5,FF,0D,F0,F3,A4,0D,F5,FF,0D,F0,F3,18604
1200 DATA A4,0D,A0,FF,FF,0D,A0,FF,FF,0D,F5,FF,0D,F0,F0,18976
1210 DATA F5,0D,F5,FF,0D,F0,F0,F5,0D,A0,FF,FF,0D,A0,FF,18380
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1230 DATA 0D,A0,FF,FF,0D,A0,FF,FF,0D,F5,FF,0D,A4,0C,5D,14030
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1390 DATA F3,F5,0D,A0,FF,FF,0D,A0,FF,FF,0D,F5,FF,0D,F0,17993
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1430 DATA 5D,0D,F5,FF,0D,A4,0C,0C,08,00,FF,FF,0D,F5,FF,14626
1440 DATA FF,0D,F5,FF,0D,F5,FF,FF,0D,F5,FF,0D,F5,FF,FF,20687
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1510 DATA FF,FF,0D,F0,0F,F5,0D,F5,FF,0D,A0,FF,FF,0D,F5,17300
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1680 DATA 80,00,00,00,00,00,00,C0,00,00,00,00,00,40,C0,4864
1690 DATA EA,40,00,00,00,40,D5,FF,5D,D5,80,00,00,84,AE,11540
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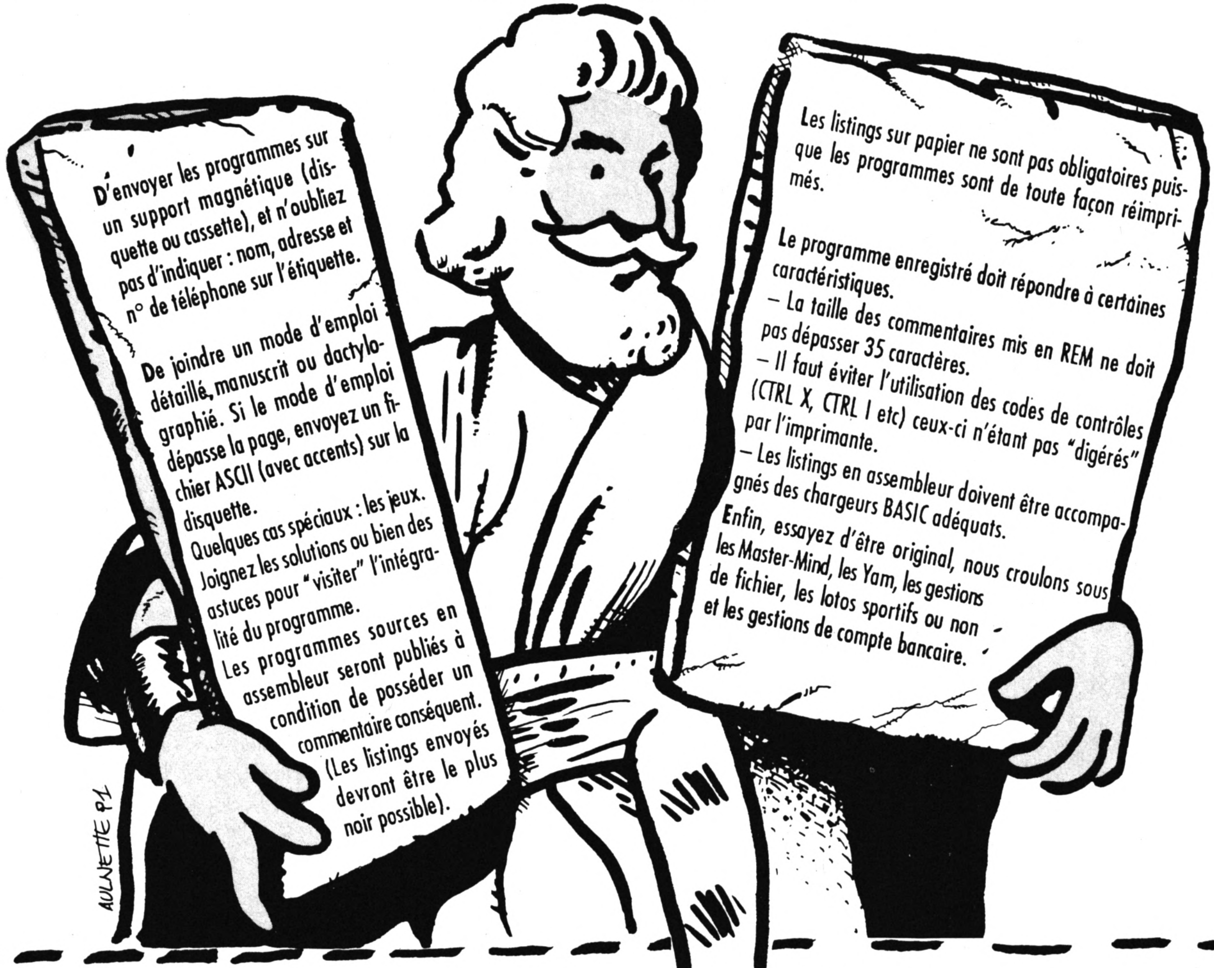


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1770 DATA 00,C1,F1,E2,00,00,00,90,9D,68,00,00,40,64,C0,9309
1780 DATA C0,00,00,40,6A,4F,E2,00,00,00,C0,0D,CA,00,00,6854
1790 DATA 00,90,AE,4A,00,00,40,64,75,EA,00,00,90,9D,98,10737
1800 DATA 90,80,40,C4,FF,6E,64,C0,81,D5,4D,3F,89,03,16,10761
1810 DATA 84,DB,FF,3E,3C,79,D5,5A,F3,EA,5B,F3,D5,0D,E5,17232
1820 DATA 4F,5D,C0,40,AE,0F,0C,BE,80,00,D5,0C,FF,81,80,12657
1830 DATA 00,40,FF,94,C0,00,00,40,64,3A,80,00,00,00,00,4836
1840 DATA 00,00,00,00,00,40,C0,80,00,00,00,D1,F2,C2,00,10093
1850 DATA 00,00,94,6E,60,00,00,00,C0,C0,98,80,00,00,D1,10128
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1870 DATA 00,00,D5,BA,98,80,80,40,60,64,6E,60,42,C0,98,12688
1880 DATA 9D,FF,C8,29,03,46,3F,8E,EA,B6,3C,3D,FF,E7,48,14364
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1910 DATA 00,40,35,98,80,00,00,40,30,30,80,00,00,40,93,6572
1920 DATA B9,80,00,00,C1,C1,76,C2,00,40,93,C3,93,E8,00,12902
1930 DATA 90,76,C2,C1,62,00,D1,39,C2,B9,62,00,94,6B,C0,13182
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1980 DATA 93,80,00,00,D1,C2,B9,80,00,00,94,6B,B9,80,00,10481
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2280 DATA 30,80,00,00,00,D4,63,80,00,00,40,93,63,80,00,7787
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2650 DATA 55,4D,3F,89,79,00,04,DB,FF,3E,A2,00,55,5A,F3,12465
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2860 DATA 00,40,64,3E,F3,90,42,FF,0C,EA,90,9D,E2,E2,00,15342
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2910 DATA C0,34,F3,F3,38,90,80,40,C8,00,00,00,C0,C0,98,11955
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SUITE PAGE 33

GUIDE DU PROGRAMMEUR

Votre programme est maintenant fin prêt, il ne vous reste plus qu'à envoyer votre œuvre à CPC Infos.
Mais n'oubliez pas :



LE PROGRAMMEUR

Nom : ________________ Prénom : ____________

Adresse complète : ____________________

____

Tél. : ________________ Age : ______________

Attestation sur l'honneur

Je soussigné ____________________

déclare être l'auteur du programme ci-joint et ne l'avoir jamais proposé à une autre revue.

Le ________________ A ________________

LE PROGRAMME

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Catégorie ❑ Jeu ❑ Utilitaire ❑ Educatif

Taille : ______________________

Périphériques utilisées : ________________

Support ❑ Cassette ❑ Disquette

Comptabilité (testée) avec : ____________

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Signature

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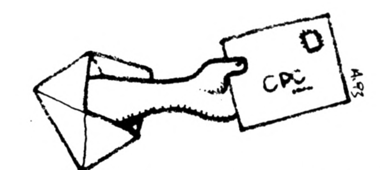
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2950 DATA 95,79,6C,CC,98,00,64,3F,3E,3C,B6,94,F3,D1,D1,15641
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2970 DATA F3,F3,3D,00,3E,3C,3C,3C,3C,3C,94,94,94,3C,3C,9217
2980 DATA 3C,3C,00,3C,3F,3F,3F,3F,C0,95,C0,95,3F,3F,3F,10519
2990 DATA 3E,00,3D,CC,CC,CC,CC,CC,CC,CC,CC,CC,CC,CC,9D,20272
3000 DATA 00,6E,30,30,30,30,30,30,30,30,30,30,30,64,00,5106
3010 DATA 98,4A,85,C0,4A,85,C0,4A,85,C0,4A,85,90,00,60,11614
3020 DATA 48,84,C0,48,84,C0,48,84,C0,48,84,C0,00,C0,EA,14964
3030 DATA D5,C0,EA,D5,C0,EA,D5,C0,EA,D5,85,80,4A,60,30,15194
3040 DATA 90,60,30,30,C0,30,30,90,30,84,80,18,B2,30,F3,11918
3050 DATA 30,71,B2,30,71,B2,30,F3,75,80,BE,B6,34,F3,38,14501
3060 DATA 79,B6,30,79,B6,34,F3,68,80,95,3D,35,3C,3A,3E,9715
3070 DATA 3D,30,3E,3D,35,3C,6A,80,C4,6E,64,3F,98,9D,6E,12055
3080 DATA 30,9D,6E,64,3F,C8,0A,90,98,30,CC,30,64,98,30,11061
3090 DATA 64,98,30,CC,60,08,85,60,60,30,60,30,30,60,30,7938
3100 DATA 30,60,30,C0,AA,04,85,C0,4A,85,C0,4A,85,C0,4A,13261
3110 DATA 85,C0,4A,00,55,84,C0,48,84,C0,48,84,C0,48,84,13040
3120 DATA C0,48,00,40,D5,C0,EA,D5,C0,EA,D5,C0,EA,D5,C0,21120
3130 DATA EA,00,10,CC,9D,3F,3C,C0,95,C0,95,79,6C,CC,98,15108
3140 DATA 00,64,3F,3E,3C,B6,94,F3,D1,D1,F3,B7,3F,6E,00,14333
3150 DATA 9D,F3,F3,F3,F3,C0,D1,D1,F3,F3,F3,F3,3D,00,3E,16941
3160 DATA 3C,3C,3C,3C,3C,94,94,94,3C,3C,3C,3C,00,3C,3F,7206
3170 DATA 3F,3F,3F,C0,95,C0,95,3F,3F,3F,3E,00,3D,CC,CC,11587
3180 DATA CC,CC,CC,CC,CC,CC,CC,CC,CC,9D,00,6E,30,30,30,11839
3190 DATA 30,30,30,30,30,30,30,30,64,00,8D,C0,4A,85,C0,10971
3200 DATA 4A,85,C0,4A,85,C0,4A,60,00,24,C0,48,84,C0,48,11471
3210 DATA 84,C0,48,84,C0,48,85,00,D5,C0,EA,D5,C0,EA,D5,19101
3220 DATA C0,EA,D5,C0,EA,84,00,C0,60,30,90,60,30,30,C0,11760
3230 DATA 30,30,90,30,D5,80,90,B2,30,F3,30,71,B2,30,71,12718
3240 DATA B2,30,F3,60,80,1E,B6,34,F3,38,79,B6,30,79,B6,13297
3250 DATA 34,F3,68,0A,1D,3D,35,3C,3A,3E,3D,30,3E,3D,35,6079
3260 DATA 3C,6A,08,EE,6E,64,3F,98,9D,6E,30,9D,6E,64,3F,11173
3270 DATA C8,AA,90,98,30,CC,30,64,98,30,64,98,30,CC,60,12006
3280 DATA 80,85,60,60,30,60,30,30,60,30,30,60,30,C0,80,9509
3290 DATA 04,C0,4A,85,C0,4A,85,C0,4A,85,C0,4A,85,00,55,11328
3300 DATA C0,48,84,C0,48,84,C0,48,84,C0,48,84,00,40,C0,11992
3310 DATA EA,D5,C0,EA,D5,C0,EA,D5,C0,EA,D5,00,00,00,00,11778
3320 DATA 00,00,00,40,79,80,00,00,00,00,00,00,00,00,00,1316
3330 DATA 00,00,95,3E,E2,00,00,00,00,00,00,00,00,00,00,1388
3340 DATA 00,C4,CC,C8,00,00,00,00,00,00,00,00,00,00,00,1204
3350 DATA 90,30,60,00,00,00,00,00,00,00,00,00,00,00,C5,2998
3360 DATA 4B,80,00,00,00,00,00,00,00,00,00,00,00,85,5D,3159
3370 DATA C0,00,00,00,00,00,00,00,00,00,00,00,D5,EA,C3,8328
3380 DATA 80,00,00,00,00,40,00,00,00,80,40,FF,C1,33,C2,10612
3390 DATA 00,00,00,00,95,80,00,40,42,C0,AE,FF,FF,62,00,12819
3400 DATA 00,00,00,7B,E2,00,40,7D,57,0D,0C,AE,EA,00,00,8187
3410 DATA 00,00,3E,F3,80,D5,AE,AE,5A,0F,5D,48,00,80,00,8933
3420 DATA 00,9D,79,E2,D5,0D,0D,F1,F2,0E,EA,40,60,00,00,10017
3430 DATA 64,3E,F3,C0,AE,0F,F1,A5,0E,EA,90,C8,00,00,90,12370
3440 DATA 9D,79,E2,D5,58,F3,A7,5D,C0,64,6A,80,00,40,64,11568
3450 DATA 3E,F3,AE,0D,F1,A5,5D,90,9D,E2,E2,00,00,90,9D,13605
3460 DATA 3C,AE,0E,5A,0E,EA,64,7B,C0,68,00,00,40,64,6A,9183
3470 DATA 75,5D,0D,0E,BA,9D,68,40,68,00,00,00,90,90,8C,9154
3480 DATA EE,AE,5D,98,3E,80,40,6A,00,00,00,C0,64,7F,35,8535
3490 DATA 7D,BE,3A,C0,00,40,6A,00,00,00,90,9D,C0,34,F3,11387
3500 DATA F3,38,90,80,40,C8,00,00,00,C0,C0,98,C0,C0,C0,14792
3510 DATA C0,64,60,40,C8,00,00,C0,90,30,6E,30,30,30,30,7712
3520 DATA 9D,98,C0,60,00,40,30,64,CC,3D,CC,CC,CC,CC,3E,14565
3530 DATA 3A,30,60,00,00,00,00,00,00,00,40,79,80,00,00,3747
3540 DATA 00,00,00,00,00,00,00,00,00,95,3E,E2,00,00,00,4447
3550 DATA 00,00,00,00,00,00,00,80,C4,CC,C8,00,00,00,00,6300
3560 DATA 00,00,00,00,00,40,EA,90,30,60,40,00,00,00,00,4620
3570 DATA 00,00,00,00,40,48,C5,4B,80,D5,80,00,00,00,00,6544
3580 DATA 00,00,00,40,C0,85,5D,C0,84,80,00,00,00,00,00,5735
3590 DATA 80,40,D5,FF,5D,FF,C3,C0,00,00,00,00,40,40,EA,10292
3600 DATA 84,AE,0C,0C,AE,BB,C2,00,00,00,00,95,C0,48,D5,10890
3610 DATA 0D,0C,0F,5D,FF,62,00,00,00,00,7B,E2,C0,AE,0F,10323
3620 DATA 0F,5A,5D,AE,EA,00,00,00,00,3E,F3,D5,0D,0F,F2,10804
3630 DATA F2,0E,4D,48,00,80,00,00,9D,79,E2,AE,5B,F3,F1,15168
3640 DATA A5,5D,EA,40,60,00,00,64,3E,F3,AE,5A,F2,F3,F0,16673
3650 DATA 0E,EA,90,C8,00,00,90,9D,79,AF,0F,A5,F0,0F,5D,11970
3660 DATA C0,EE,6A,80,00,40,64,3E,A6,0F,0F,0F,0E,EA,90,9192
3670 DATA 1D,E2,E2,00,00,90,9D,FF,0D,0C,0F,0C,EA,64,7B,10449
3680 DATA C0,68,00,00,40,64,5D,AE,AE,0C,FF,18,9D,68,40,11082
3690 DATA 68,00,00,00,90,BA,DD,75,5D,3D,BA,3E,80,40,6A,11338
3700 DATA 00,00,00,C0,64,7F,AE,FB,B6,3A,C0,80,40,6A,00,11864
3710 DATA 00,00,90,9D,C0,34,F3,F3,38,90,80,40,C8,00,00,11074
3720 DATA 00,C0,D5,98,C0,C0,C0,C0,64,60,40,C8,00,00,C0,12490
3730 DATA 90,24,6E,30,30,30,30,9D,98,C0,60,00,40,30,64,8915
3740 DATA CC,3D,CC,CC,CC,CC,3E,3A,30,60,00,00,00,00,00,4943
3750 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3760 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3770 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3780 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3790 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3800 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3810 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3820 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3830 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3840 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
3850 DATA 00,00,80,00,00,00,00,00,00,00,40,00,00,00,00,896
3860 DATA 40,E2,80,00,00,00,00,00,00,90,80,00,00,00,40,3954
3870 DATA 79,E2,00,00,00,40,00,00,64,80,80,00,00,C4,3E,7194
3880 DATA E2,C0,40,80,D5,80,C0,C8,40,E2,00,00,90,9D,3C,11903
3890 DATA 64,90,60,AE,EA,64,6A,40,68,00,00,40,64,6A,FF,11062
3900 DATA 64,6A,1D,5D,9D,68,40,68,00,00,00,90,90,0C,64,7571
3910 DATA 3E,95,5D,3E,80,40,6A,00,00,00,C0,75,7F,35,68,8865
3920 DATA 3C,2E,C0,00,40,6A,00,00,00,90,9D,C0,34,F3,F3,13379
3930 DATA 38,90,80,40,C8,00,00,00,C0,C0,98,C0,C0,C0,C0,15776
3940 DATA 64,60,40,C8,00,00,C0,90,30,6E,30,30,30,30,9D,8764
3950 DATA 98,C0,60,00,40,30,64,CC,3D,CC,CC,CC,CC,3E,3A,13582
3960 DATA 30,60,00,00,D1,E8,00,00,00,40,F6,33,80,00,00,7225
3970 DATA 40,33,63,80,00,00,40,93,D3,80,00,00,40,61,4F,8021
3980 DATA 80,00,00,40,D5,0D,80,00,00,C1,C2,FF,80,00,00,9895
3990 DATA 93,63,C0,80,00,80,77,BB,C2,C2,C0,02,AE,CA,63,14870
4000 DATA 03,12,68,4D,F7,BB,3C,6C,E2,AF,F1,F7,85,B7,E2,19145
4010 DATA AE,5A,8F,8E,EA,80,D5,0D,0E,5D,68,00,40,AE,5D,10068
4020 DATA EA,42,00,00,D5,EA,62,80,00,00,D1,B9,C2,00,00,10025
4030 DATA 00,C0,30,30,80,00,00,C0,93,B9,80,00,00,C1,C1,11620
4040 DATA 76,C2,00,40,93,C3,93,E8,00,90,76,C2,C1,62,00,12655
4050 DATA D1,39,C2,B9,62,00,94,6B,C0,73,C2,00,95,C8,40,12824
4060 DATA 93,C2,00,C4,60,40,C3,C2,00,90,80,40,6E,60,00,9862
4070 DATA 40,00,40,B7,98,80,00,D1,E8,00,00,00,40,F6,33,9924
4080 DATA 80,00,00,40,33,63,80,00,00,40,93,D3,80,00,00,7562
4090 DATA 40,61,4F,80,00,00,40,D5,0D,80,00,00,C1,C2,FF,12178
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4100 DATA 80,00,00,93,63,C0,80,00,80,77,BB,C2,C2,C0,02,13516
4110 DATA AE,CA,63,03,12,68,4D,F7,BB,3C,6C,E2,AF,F1,F7,17485
4120 DATA 85,B7,E2,AE,5A,8F,8E,EA,80,D5,0D,0E,5D,68,00,10415
4130 DATA 40,AE,5D,EA,42,00,00,D5,EA,62,80,00,00,D1,B9,12158
4140 DATA C2,00,00,00,40,30,60,00,00,00,40,93,E8,00.00,6113
4150 DATA 00,40,63,76,80,00,00,40,C1,93,80,00,00,D1,C2,11156
4160 DATA B9,80,00,00,94,6B,B9,80,00,00,95,99,76,80,00,9514
4170 DATA 00,C4,61,63,80,00,00,90,C1,C2,00,00,00,40,95,8415
4180 DATA 98,80,00,00,00,D1,6E,60,00,00,D1,E8,00,00,00,7147
4190 DATA 40,F6,33,80,00,00,40,33,63,80,00,00,40,93,D3,9050
4200 DATA 80,00,00,40,61,4F,80,00,00,40,D5,0D,80,00,00,6128
4210 DATA C1,C2,FF,80,00,00,93,63,C0,80,00,80,77,BB,C2,13334
4220 DATA C2,C0,02,AE,CA,63,03,12,68,4D,F7,BB,3C,6C,E2,13505
4230 DATA AF,F1,F7,85,B7,E2,AE,5A,8F,8E,EA,80,D5,0D,0E,13761
4240 DATA 5D,68,00,40,AE,5D,EA,42,00,00,D5,EA,62,80,00,10867
4250 DATA 00,D1,B9,C2,00,00,00,40,30,60,00,00,00,40,93,5747
4260 DATA E8,00,00,00,40,93,63,80,00,00,40,93,B9,80,00,8622
4270 DATA 00,D1,C2,33,80,00,00,94,C1,B3,80,00,00,95,93,10728
4280 DATA 63,80,00,00,C4,33,C2,00,00,00,90,C3,80,00,00,7452
4290 DATA 00,40,6E,60,00,00,00,40,B7,98,80,00,00,D1,E8,11097
4300 DATA 00,00,00,40,F6,33,80,00,00,40,33,63,80,00,00,5910
4310 DATA 40,93,D3,80,00,00,40,61,4F,80,00,00,40,D5,0D,7519
4320 DATA 80,00,00,C1,C2,FF,80,00,00,93,63,C0,80,00,80,11151
4330 DATA 77,BB,C2,C2,C0,02,AE,CA,63,03,12,68,4D,F7,BB,13289
4340 DATA 3C,6C,E2,AF,F1,F7,85,B7,E2,AE,5A,8F,8E,EA,80,17748
4350 DATA D5,0D,0E,5D,68,00,40,AE,5D,EA,42,00,00,D5,EA,11893
4360 DATA 62,80,00,00,D1,B9,C2,00,00,00,40,30,60,00,00,5373
4370 DATA 00,C1,76,63,80,00,00,C1,33,33,C2,00,00,40,63,7614
4380 DATA 91,62,00,00,C1,62,73,62,00,00,91,91,93,C2,00,10067
4390 DATA 40,93,93,63,80,00,40,69,C3,C2,00,00,40,6E,95,9959
4400 DATA 98,80,00,40,6E,34,6E,60,00,40,B7,98,C0,C0,00,11230
4410 DATA 00,D1,E8,00,00,00,40,F6,33,80,00,00,40,33,63,7156
4420 DATA 80,00,00,40,93,D3,80,00,00,40,61,4F,80,00,00,6554
4430 DATA 40,D5,0D,80,00,00,C1,C2,FF,80,00,00,93,63,C0,12070
4440 DATA 80,00,80,77,BB,C2,C2,C0,02,AE,CA,63,03,12,68,11256
4450 DATA 4D,F7,BB,3C,6C,E2,AF,F1,F7,85,B7,E2,AE,5A,8F,17849
4460 DATA 8E,EA,80,D5,0D,0E,5D,68,00,40,AE,5D,EA,42,00,9542
4470 DATA 00,D5,EA,62,80,00,00,D1,B9,C2,00,00,00,40,30,7680
4480 DATA 30,80,00,00,40,93,E9,80,00,00,40,93,33,E8,00,9298
4490 DATA 00,C1,76,C3,63,80,00,91,C3,C1,93,80,40,76,63,12928
4500 DATA C1,FC,80,40,93,C2,91,B3,80,40,C3,80,D4,63,80,14962
4510 DATA 40,6E,60,C1,92,80,40,B7,98,94,6E,60,40,C0,C0,14426
4520 DATA D1,3D,C8,00,00,00,D4,E2,00,00,00,40,33,F9,80,9660
4530 DATA 00,00,40,93,33,80,00,00,40,E3,63,80,00,00,40,7262
4540 DATA 8F,92,80,00,00,40,0E,EA,80,00,00,40,FF,C1,C2,12457
4550 DATA 40,00,40,C0,93,63,01,C0,C1,C1,77,BB,94,21,03,11912
4560 DATA 93,C5,5D,D1,9C,3C,77,FB,8E,D1,7B,4A,FB,F2,5F,16954
4570 DATA 40,D5,4D,4F,A5,5D,00,94,AE,0D,0E,EA,00,81,D5,11647
4580 DATA AE,5D,80,00,40,91,D5,EA,00,00,00,C1,76,E2,00,10723
4590 DATA 00,00,30,30,00,00,00,00,76,63,00,00,00,41,B9,5510
4600 DATA C2,82,00,00,54,63,C3,63,00,00,11,82,41,B9,20,8057
4610 DATA 00,11,76,41,36,A2,00,41,B3,00,97,28,00,41,63,7542
4620 DATA 00,44,2A,00,41,C3,00,10,88,00,10,9D,00,00,20,4922
4630 DATA 00,64,7B,00,00,00,00,00,00,D4,E2,00,00,00,40,5410
4640 DATA 33,F9,80,00,00,40,93,33,80,00,00,40,E3,63,80,9595
4650 DATA 00,00,40,8F,92,80,00,00,40,0E,EA,80,00,00,40,7063
4660 DATA FF,C1,C2,40,00,40,C0,93,63,01,C0,C1,C1,77,BB,14599
4670 DATA 94,21,03,93,C5,5D,D1,9C,3C,77,FB,8E,D1,7B,4A,14845
4680 DATA FB,F2,5F,40,D5,4D,4F,A5,5D,00,94,AE,0D,0E,EA,11242
4690 DATA 00,81,D5,AE,5D,80,00,40,91,D5,EA,00,00,00,C1,10656
4700 DATA 76,E2,00,00,00,10,30,00,00,00,00,54,63,00,00,2706
4710 DATA 00,00,B9,93,00,00,00,00,63,82,00,00,00,00,76,4425
4720 DATA 41,A2,00,00,00,76,97,28,00,00,00,B9,66,2A,00,5743
4730 DATA 00,00,93,92,88,00,00,00,41,82,20,00,00,00,64,4686
4740 DATA 2A,00,00,00,10,9D,A2,00,00,00,00,00,D4,E2,00,7303
4750 DATA 00,00,40,33,F9,80,00,00,40,93,33,80,00,00,40,6566
4760 DATA E3,63,80,00,00,40,8F,92,80,00,00,40,0E,EA,80,9285
4770 DATA 00,00,40,FF,C1,C2,40,00,40,C0,93,63,01,C0,C1,13028
4780 DATA C1,77,BB,94,21,03,93,C5,5D,D1,9C,3C,77,FB,8E,14869
4790 DATA D1,7B,4A,FB,F2,5F,40,D5,4D,4F,A5,5D,00,94,AE,12702
4800 DATA 0D,0E,EA,00,81,D5,AE,5D,80,00,40,91,D5,EA,00,12615
4810 DATA 00,00,C1,76,E2,00,00,00,10,30,00,00,00,00,54,3380
4820 DATA 63,00,00,00,00,93,63,00,00,00,00,76,63,00,00,3815
4830 DATA 00,00,33,41,A2,00,00,00,73,82,28,00,00,00,93,5493
4840 DATA 63,2A,00,00,00,41,33,88,00,00,00,00,C3,20,00,4381
4850 DATA 00,00,10,9D,00,00,00,00,00,64,7B,00,00,00,00,2410
4860 DATA D4,E2,00,00,00,40,33,F9,80,00,00,40,93,33,80,8542
4870 DATA 00,00,40,E3,63,80,00,00,40,8F,92,80,00,00,40,7408
4880 DATA 0E,EA,80,00,00,40,FF,C1,C2,40,00,40,C0,93,63,12124
4890 DATA 01,C0,C1,C1,77,BB,94,21,03,93,C5,5D,D1,9C,3C,13403
4900 DATA 77,FB,8E,D1,7B,4A,FB,F2,5F,40,D5,4D,4F,A5,5D,13932
4910 DATA 00,94,AE,0D,0E,EA,00,81,D5,AE,5D,80,00,40,91,11134
4920 DATA D5,EA,00,00,00,C1,76,E2,00,00,00,10,30,00,00,4241
4930 DATA 00,00,93,B9,82,00,00,41,33,33,82,00,00,11,22,4688
4940 DATA 93,00,00,00,11,B3,11,82,00,00,41,63,22,22,00,4564
4950 DATA 00,00,93,63,63,00,00,00,41,C3,96,00,00,00,64,6162
4960 DATA 2A,9D,00,00,10,9D,38,9D,00,00,00,00,64,7B,00,5240
4970 DATA 00,00,00,D4,E2,00,00,00,40,33,F9,80,00,00,40,7305
4980 DATA 93,33,80,00,00,40,E3,63,80,00,00,40,8F,92,80,9816
4990 DATA 00,00,40,0E,EA,80,00,00,40,FF,C1,C2,40,00,40,10281
5000 DATA C0,93,63,01,C0,C1,C1,77,BB,94,21,03,93,C5,5D,12890
5010 DATA D1,9C,3C,77,FB,8E,D1,7B,4A,FB,F2,5F,40,D5,4D,15393
5020 DATA 4F,A5,5D,00,94,AE,0D,0E,EA,00,81,D5,AE,5D,80,12583
5030 DATA 00,40,91,D5,EA,00,00,00,C1,76,E2,00,00,00,10,7019
5040 DATA 30,20,00,00,00,41,B9,82,00,00,00,B9,33,82,00,6714
5050 DATA 00,41,63,D6,63,00,00,11,C3,41,93,00,00,54,E9,9389
5060 DATA 41,76,22,00,11,B3,00,93,82,00,41,76,00,41,82,7831
5070 DATA 00,10,C3,00,64,2A,00,64,3E,10,9D,A2,00,9D,79,9443
5080 DATA 00,00,00,10,9D,A0,04,9D,28,40,C0,80,64,3E,F3,12231
5090 DATA 64,3E,79,00,00,00,00,00,00,10,D8,28,10,1D,28,4177
```



SUITE PAGE 36



PETITES ANNONCES

La place réservée aux petites annonces est limitée. En conséquence, celles-ci passent dans leur ordre d'arrivée. Par contre, les petites annonces farfelues sont systématiquement rejetées... De même, comme il est peu probable qu'il existe des "généreux donateurs" de matériels ou de logiciels, les petites annonces faisant appel à ces philantropes ne seront insérées que si la place le permet.
Seront refusées toutes les annonces visant à vendre ou échanger des listes ou copies de logiciels non garantis "d'origine", ainsi que toute annonce incitant au piratage. En conséquence, réfléchissez bien avant d'envoyer vos textes. Les petites annonces doivent impérativement nous parvenir sur la grille (découpée ou photocopiée), le texte étant rédigé à raison d'un caractère par case.
Enfin, toute annonce non accompagnée de timbres ne sera pas insérée.

• Club jeunes roumains cherche pour CPC 6128, souris, joystick, disq. 3", jeux, revues. D. MANEA B.P. 59-30, BUCAREST - 70164 ROUMANIE.

• Achète imprimante pour Amstrad CPC 6128 à 500F. Aurélien DAUCHEZ. Tél.99.16.01.36.

• Vds CPC 6128 Amstrad couleur + joystick + 30 jeux. Prix : 2000F. Tél. 92.30.88.19. heures bureaux.

• Vds clavier 6128 plus, état neuf : 600F. Vds D7 jeux, éducatifs, utilitaires. Prix réduit. Tél. de 12h. à 13h. au 21.09.54.75.

• Vends ordinateur AMSTRAD CPC 6128 couleur, clavier Qwerty + logiciel + manette. Prix à débattre. Tél. 60.22.28.23 après 18h.

• Achète revues Amstrad, Am-Mag 1 à 41, Am-Mag HS 1 à 8, CPC 9 à 22 - 35 à 37, CPC HS 1à 7, Amstar 1 à 8. Tél.70.64.64.75. après 19h.

• Vds Amstrad CPC 6128 + écran coul. + mags. + imprimante (option) + programmes (plus de 300) . Vds programmes séparés. Tél.86.80.42.54.

• Cherche utilitaires CPC 6128 + et cartouches jeux GX 4000. Vidal F. 1, rue de Thionville 59800 Lille. Tél. 20.31.18.05

• Vds 238 jeux + utils + K7 originaux pour 6128 ou 464. Bon prix + cherche défi au tarot. Liste gratuite. Tél. 29.06.04.34.

• Cherche "Auto Formation à l'Assembleur sur CPC", le langage machine " Peeks et Pokes" (Micro Application). Tél.45.83.32.63.

• Vds console GX4000 Amstrad + lecteur cassette pour Amstrad CPC 6128 : 650F. Tél.48.73.33.12. entre 18h. et 20h.

• Débutant échange jeux utilitaires et démos : Guillaume Lebel, 13, rue des Closeaux 78750 Mareilmarly.

• Vends logiciels et livres pour Amstrad CPC Tél. du lundi au vendredi, heures bureaux (1) 45.64.02.45. Vendredi, samedi, dimanche 44.07.69.15.

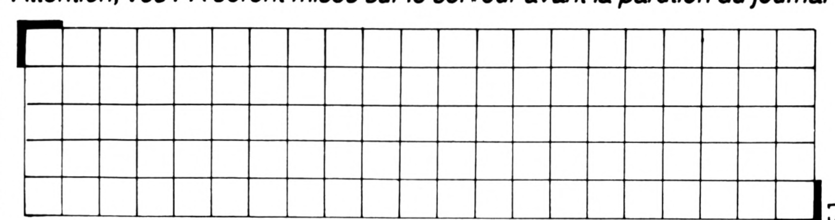
• Vends CPC 6128 couleur + lecteur 3" + 2 manettes + 30 disq. 2300F. + imprimante DMP 2000 : 800F. Tél. 82.5335.24.

• + 120 je. Echange jeux 6128 ou 464. Tél.28.26.07.95. Demandez Xavier. Liste sur demande (T2, Italya 90, etc...)

ANNONCEZ-VOUS !

LES PETITES ANNONCES ET LES MESSAGES

Attention, vos PA seront mises sur le serveur avant la parution du journal



CPC 51

Mettre ce coupon + 4 timbres à 2,50 F dans une enveloppe.
Adresser le tout à : SORACOM – La Haie de Pan – 35170 BRUZ

Gagnez du temps ! Sur minitel 36.15. Tapez MHZ



```
5100 DATA 40,C0,80,64,3E,F3,64,3E,79,00,00,00,00,00,00,4213
5110 DATA 10,B5,28,10,8C,28,40,C0,80,64,3E,F3,64,3E,79,11714
5120 DATA 00,00,00,00,00,00,50,9D,28,10,9D,08,40,C0,80,8757
5130 DATA 64,3E,F3,64,3E,79,00,00,00,00,00,00,01,00,79,3407
5140 DATA 00,14,00,00,02,00,B6,00,28,00,00,00,00,00,00,1440
5150 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5160 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5170 DATA 00,00,40,C0,80,00,00,00,D1,F2,C2,00,00,00,94,9078
5180 DATA 6E,60,00,00,00,C0,C0,98,80,00,00,D1,8F,95,80,12040
5190 DATA 00,00,C5,0E,80,00,00,00,85,5D,60,00,00,00,D5,6791
5200 DATA BA,98,80,80,40,60,64,6E,60,42,C0,98,9D,FF,C8,15851
5210 DATA 29,03,46,3F,8E,EA,B6,3C,3D,FF,E7,48,F3,A7,D5,17536
5220 DATA F3,A5,EA,00,00,00,00,00,00,00,00,00,00,00,00,633
5230 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5240 DATA 00,00,00,00,00,00,00,00,00,00,40,C0,80,00,00,4288
5250 DATA 00,C1,F1,E2,00,00,00,90,9D,68,00,00,40,64,C0,9309
5260 DATA C0,00,00,40,6A,4F,E2,00,00,00,40,0D,CA,00,00,5574
5270 DATA 00,90,AE,4A,00,00,40,64,75,EA,00,00,90,9D,98,10737
5280 DATA 90,80,40,C4,FF,6E,64,C0,81,D5,4D,3F,89,03,16,10761
5290 DATA 84,DB,FF,3E,3C,79,D5,5A,F3,EA,5B,F3,40,AE,8F,16333
5300 DATA DA,0E,EA,40,7D,0C,0F,5D,80,40,42,FF,0C,EA,00,10226
5310 DATA 00,C0,93,FF,80,00,00,40,F6,33,C2,00,00,40,B3,9916
5320 DATA 63,C2,C0,00,40,33,C2,63,D9,00,40,93,93,B9,9D,13306
5330 DATA 00,40,64,C1,B3,C4,00,90,9D,C1,63,C4,40,64,7B,13476
5340 DATA C0,C2,90,00,00,00,00,00,00,00,00,00,00,00,00,482
5350 DATA D5,0D,E5,4F,5D,80,40,AE,0F,0C,BE,80,00,D5,0C,9795
5360 DATA FF,81,80,00,40,FF,63,C0,00,00,C1,33,F9,80,00,10997
5370 DATA C0,C1,93,73,80,00,E6,93,C1,33,80,00,6E,76,63,11276
5380 DATA 63,80,00,C8,73,C2,98,80,00,C8,93,C2,6E,60,00,11938
5390 DATA 60,C1,C0,B7,98,80,00,00,00,00,00,00,00,00,00,2374
5400 DATA 00,00,00,00,01,00,00,C0,00,14,16,00,00,C0,00,4244
5410 DATA 5B,79,00,00,C0,00,CF,A3,00,00,C0,00,E7,42,00,8822
5420 DATA 00,C0,00,8F,48,20,00,C0,00,8E,EA,20,00,C0,00,8879
5430 DATA B6,90,A3,00,C0,00,29,81,F3,02,C0,00,42,C0,79,11251
5440 DATA A3,C0,00,00,42,16,F3,C0,00,00,16,94,79,C0,00,9164
5450 DATA 00,79,81,79,C0,00,00,B6,81,A2,C0,00,00,42,16,8360
5460 DATA A2,C0,00,00,81,79,A2,C0,00,00,94,F3,00,C0,00,10278
5470 DATA 00,85,DB,00,C0,00,00,84,4A,A2,C0,00,00,D5,48,10010
5480 DATA A2,C0,00,00,E2,EA,A2,C0,00,00,79,F3,A2,C0,00,12905
5490 DATA 00,16,79,A2,C0,00,00,81,16,79,C0,00,00,64,2B,7508
5500 DATA 03,C0,00,C0,C0,C0,C0,C0,00,C0,C0,C0,C0,C0,00,15552
5510 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5520 DATA 00,00,00,00,00,00,C0,C0,C0,00,00,00,C0,C0,C0,11520
5530 DATA 00,00,00,C0,00,01,00,00,00,C0,14,16,00,00,00,2751
5540 DATA C0,5B,79,00,00,00,C0,CF,A3,00,00,00,C0,E7,42,10469
5550 DATA 00,00,00,C0,8F,48,00,00,00,C0,8E,EA,00,00,00,7230
5560 DATA C0,B6,90,00,00,00,C0,29,81,00,00,00,C0,42,C0,8791
5570 DATA 00,00,00,C0,00,42,00,00,00,C0,00,16,00,00,00,2876
5580 DATA C0,00,79,00,00,00,C0,00,B6,00,00,00,C0,00,42,6078
5590 DATA 00,00,00,C0,00,81,00,00,00,C0,00,94,00,00,00,4577
5600 DATA C0,00,85,00,00,00,C0,00,84,00,00,00,C0,00,D5,7760
5610 DATA 00,00,00,C0,00,E2,00,00,00,C0,00,79,00,00,00,4765
5620 DATA C0,00,16,00,00,00,C0,00,81,00,00,00,00,00,00,2228
5630 DATA 00,00,00,00,00,00,C0,C0,00,00,00,00,C0,C0,00,7296
5640 DATA 00,00,00,00,C0,00,00,00,00,00,C0,00,00,00,00,2688
5650 DATA 00,C0,00,00,00,00,00,C0,00,00,00,00,00,C0,00,4032
5660 DATA 00,00,00,00,C0,00,00,00,00,00,C0,00,00,00,00,2688
5670 DATA 00,C0,00,00,00,00,02,C0,00,00,00,00,A3,C0,00,6000
5680 DATA 00,00,00,F3,C0,00,00,00,00,79,C0,00,00,00,00,4506
5690 DATA 79,C0,00,00,00,00,A2,C0,00,00,00,00,A2,C0,00,6948
5700 DATA 00,00,00,A2,C0,00,00,00,00,00,C0,00,00,00,00,3174
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5720 DATA 00,00,00,A2,C0,00,00,00,00,A2,C0,00,00,00,00,4632
5730 DATA A2,00,C0,C0,00,40,79,40,80,40,80,C0,00,00,00,7446
5740 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5750 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5760 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5770 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5780 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5790 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5800 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5810 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5820 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5830 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5840 DATA 00,00,00,C0,00,40,C0,C0,00,40,80,C0,00,40,80,9984
5850 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5860 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5870 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5880 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5890 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5900 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5910 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5920 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5930 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5940 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
5950 DATA 00,00,00,00,00,00,C0,C0,00,00,00,00,00,40,80,5120
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5970 DATA 00,00,40,93,33,80,00,00,40,E3,63,80,00,00,40,7262
5980 DATA 8F,92,80,00,00,40,0E,EA,80,00,00,40,FF,C1,C2,12457
5990 DATA 40,00,40,C0,93,63,81,C0,C1,C1,77,BB,94,21,03,12680
6000 DATA 93,C5,5D,D1,9C,3C,77,FB,8E,D1,7B,4A,FB,F2,5F,16954
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6020 DATA AE,5D,80,00,40,D1,B9,63,80,00,00,D1,33,C3,C0,12611
6030 DATA 00,00,91,63,91,C6,00,00,C1,63,76,66,00,00,90,8910
6040 DATA C8,D3,62,00,40,64,6A,93,C2,00,90,9D,E2,C1,C0,15456
6050 DATA 00,00,00,00,00,00,D1,80,00,F3,E2,00,79,68,00,9401
6060 DATA 16,42,00,81,80,00,00,00,00,00,00,00,00,00,00,965
6070 DATA 00,00,00,00,40,E2,00,D1,F3,00,94,B6,00,81,29,10526
6080 DATA 00,40,42,00,00,00,00,00,00,30,00,00,B7,98,00,4800
6090 DATA 30,00,00,30,CC,3F,3C,F3,F3,F3,F3,3C,3F,CC,30,14637
6100 DATA 55,1F,28,04,B5,28,40,C0,80,58,3E,F3,AF,3E,79,12484
6110 DATA 00,00,00,00,00,00,10,AF,28,10,58,28,40,C0,80,8161
6120 DATA 24,B4,F3,75,1E,79,00,00,00,00,00,00,10,DD,0A,4947
6130 DATA 10,8C,A0,40,C0,80,64,58,F3,64,AF,79,00,00,00,9201
6140 DATA 00,00,00,10,9D,AA,10,9D,08,40,C0,80,64,2E,F1,11861
6150 DATA 64,7F,5B,00,00,00,00,00,00,00,00,00,00,00,00,309
6160 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6170 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6180 DATA 00,40,9E,CA,00,C5,79,6D,80,8E,79,2C,8A,5D,16,10629
6190 DATA 57,08,AA,01,00,AA,81,00,01,80,40,02,42,00,00,4589
6200 DATA 81,80,00,90,EE,BA,80,C4,1D,4C,80,95,1E,1F,80,10972
6210 DATA 00,00,00,00,40,E2,D1,F3,94,B6,81,29,40,42,00,10530
6220 DATA 94,E2,40,00,00,00,00,00,00,40,3F,79,81,80,00,6103
6230 DATA 00,00,00,00,40,CC,CC,94,80,00,00,00,00,00,40,5456
6240 DATA 30,30,D1,80,00,00,00,00,00,40,8F,C2,64,80,00,7854
6250 DATA 00,00,00,00,40,0E,EA,9D,80,00,00,00,00,00,40,4749
6260 DATA FF,C1,D3,C0,00,00,00,00,00,00,C0,93,63,93,80,9619
6270 DATA 00,00,00,00,00,C1,77,BB,91,68,40,00,C0,00,00,8028
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6280 DATA C1,62,8E,EB,E3,C1,80,79,80,40,91,FF,E7,48,B3,16644
6290 DATA C2,C2,3E,E2,85,D5,F3,A5,EA,39,63,91,C4,6A,AE,16342
6300 DATA 8F,DA,0E,EB,3B,B3,33,32,80,D5,0C,0F,5D,91,99,11107
6310 DATA F3,33,C2,00,40,FF,0C,EA,63,61,33,63,80,00,00,8480
6320 DATA C0,FF,C1,C2,C0,C3,C2,00,00,00,00,00,00,00,00,4130
6330 DATA 00,00,00,00,00,00,00,55,0D,00,00,00,00,04,5B,2025
6340 DATA A2,00,00,00,10,9D,28,00,00,00,40,C0,80,00,00,5377
6350 DATA 00,E2,4F,A2,00,00,51,68,0D,8A,00,00,14,42,AE,6964
6360 DATA 0A,00,00,01,30,D5,AA,A2,00,10,CC,30,80,28,00,8182
6370 DATA 44,FF,98,90,02,01,55,4D,6E,21,03,BE,04,DB,FF,11815
6380 DATA 9C,3C,59,55,5A,F3,EA,5B,DB,55,0D,E5,4F,5D,00,11432
6390 DATA 51,AE,0F,0C,BE,00,14,F7,0C,FF,01,00,01,68,FF,10184
6400 DATA C4,00,00,00,42,B7,98,00,00,00,00,C0,80,00,00,5739
6410 DATA 00,00,3E,A2,00,00,00,00,9D,3A,00,00,00,00,64,3788
6420 DATA 71,00,00,00,00,10,5B,00,00,00,00,55,4D,00,00,2485
6430 DATA 00,00,04,4B,00,00,00,00,55,0D,00,00,00,00,51,2164
6440 DATA 0A,00,00,00,00,34,A2,00,00,00,15,3C,28,00,00,2582
6450 DATA 00,44,3E,00,00,00,00,10,9D,00,00,00,00,00,64,2960
6460 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6470 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6480 DATA 0E,AA,00,00,00,51,A7,08,00,00,00,14,6E,20,00,3589
6490 DATA 00,00,40,C0,80,00,00,00,51,8F,D1,00,00,00,45,6207
6500 DATA 0E,94,A2,00,00,05,5D,81,28,00,51,55,EA,30,02,7483
6510 DATA 00,14,40,30,CC,20,02,01,60,64,FF,88,7D,03,12,8792
6520 DATA 9D,8E,AA,A6,3C,6C,FF,E7,08,E7,A7,D5,F3,A5,AA,18504
6530 DATA 00,AE,8F,DA,0E,AA,00,7D,0C,0F,5D,A2,00,02,FF,9434
6540 DATA 0C,FB,28,00,00,C8,FF,94,02,00,00,64,7B,81,00,8166
6550 DATA 00,00,40,C0,00,00,00,00,51,3D,00,00,00,00,35,2643
6560 DATA 6E,00,00,00,00,B2,98,00,00,00,00,A7,20,00,00,4023
6570 DATA 00,00,8E,AA,00,00,00,00,87,08,00,00,00,00,0E,2142
6580 DATA AA,00,00,00,00,05,A2,00,00,00,00,51,38,00,00,2560
6590 DATA 00,00,14,3C,2A,00,00,00,00,3D,88,00,00,00,00,2297
6600 DATA 6E,20,00,00,00,00,98,00,00,00,00,00,00,00,00,944
6610 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6620 DATA 00,01,00,00,14,16,00,00,5B,79,00,00,CF,A3,00,6611
6630 DATA 00,E7,42,00,00,8F,48,20,00,8E,EA,20,00,B6,90,10086
6640 DATA A3,00,29,81,F3,02,42,C0,79,A3,00,42,16,F3,00,9775
6650 DATA 16,94,79,00,79,81,79,00,B6,81,A2,00,42,16,A2,9828
6660 DATA 00,81,79,A2,00,94,F3,00,00,85,DB,00,00,84,4A,9194
6670 DATA A2,00,D5,48,A2,00,E2,EA,A2,00,79,F3,A2,00,16,11715
6680 DATA 79,A2,00,81,16,79,00,64,2B,03,00,00,00,00,00,2313
6690 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6700 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6710 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6720 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6730 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6740 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6750 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6760 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
6770 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
```

DATAS2.BAS

```
10 '
20 ' DATAS pour SKYWAR2.DEC
30 '
40 MODE 2:AD=&C000:NL=110
50 FOR B=1 TO 354:TOT=0:FOR T=0 TO 14:READ A$
60 POKE AD,VAL("&"+A$):TOT=TOT+(PEEK(AD)*T):AD=AD+1
70 NEXT:READ SOM:IF SOM<>TOT THEN 90
80 NL=NL+10:NEXT:SAVE"SKYWAR2.DEC",B,&C000,&14B4:CLS:END
90 CLS:LOCATE 1,1:PRINT"LIGNE";NL;"INCORRECTE":END
100 '
110 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
120 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
130 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
140 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
150 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
160 DATA 00,00,00,00,00,00,00,00,00,00,00,00,80,00,80,3328
170 DATA 40,40,40,C2,40,C2,C1,C1,C1,63,C1,63,93,93,33,14352
180 DATA B3,33,B3,62,73,C3,33,73,63,D5,93,C2,C3,93,77,15479
190 DATA EA,91,EA,62,C1,62,D5,D1,D5,D7,C2,77,AE,BB,EA,19593
200 DATA C0,91,EA,59,4B,D5,D5,91,D5,AF,EA,0E,AE,EB,AE,17890
210 DATA D5,0C,A7,5D,48,0D,C0,AE,D5,84,0E,D5,D5,0C,EA,14711
220 DATA 0D,A7,AE,84,5B,48,5B,F3,0D,C0,C0,C0,C0,C0,C0,17234
230 DATA 0E,EA,55,0E,FF,80,0E,EA,AF,5D,85,EA,0E,FF,0E,13648
240 DATA EA,AE,5F,0E,AF,5D,80,D5,0D,0E,0E,EA,00,40,AE,10042
250 DATA 0E,5D,80,00,00,D5,0E,EA,00,00,00,40,0E,EA,00,7050
260 DATA 00,00,00,0E,EA,00,00,00,00,0E,EA,00,00,00,00,3444
270 DATA 05,5D,80,00,00,00,05,5D,80,00,00,00,85,5D,80,6651
280 DATA 00,00,00,AF,5D,80,00,00,00,0F,5D,80,00,00,00,4010
290 DATA 0D,5D,80,00,00,00,AF,5D,80,00,00,00,85,5D,80,7671
300 DATA 00,00,00,05,5D,80,00,00,00,05,5D,80,00,00,00,3410
310 DATA 0E,AA,00,00,00,00,0E,AA,00,00,00,00,0E,AA,00,3822
320 DATA 00,00,00,0E,FF,00,00,00,00,0E,AF,AA,00,00,55,5998
330 DATA 0E,AE,5F,00,00,AF,0E,FF,0D,AA,55,0E,0E,AA,AE,10560
340 DATA 0A,AF,5D,0E,AA,55,D5,0E,AA,0E,AA,00,AF,5D,00,9379
350 DATA 05,5D,00,00,00,00,05,5D,00,00,00,00,05,5D,00,2043
360 DATA 00,00,00,AF,5D,00,00,00,00,0F,5D,00,00,00,00,1962
370 DATA 0D,5D,00,00,00,00,AF,5D,00,00,00,00,05,5D,00,3063
380 DATA 00,00,00,05,5D,00,00,00,00,05,5D,00,00,00,00,1362
390 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
400 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
410 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,0
420 DATA 00,00,00,00,00,00,00,00,00,00,00,93,A2,00,00,3561
430 DATA 00,33,C1,91,00,00,11,F3,62,73,82,00,11,B3,C2,11041
440 DATA 73,22,00,33,63,C0,93,A2,00,33,82,F0,C1,22,00,10716
450 DATA 63,00,0F,A0,22,00,22,00,0C,0A,22,00,82,00,FF,6506
460 DATA 08,22,00,22,00,C0,AA,82,00,00,55,0F,AA,00,00,6081
470 DATA 00,85,F1,E0,00,00,00,85,5A,E0,00,00,00,85,0C,6851
480 DATA 4A,00,00,00,84,FF,48,00,00,00,D5,C0,EA,00,00,9285
490 DATA 00,C0,5B,C0,00,00,00,D5,5A,E2,00,00,00,85,0F,7134
500 DATA E0,00,00,00,85,0C,4A,00,00,00,84,FF,48,00,00,6025
510 DATA 00,D5,C0,EA,00,00,00,C0,0F,C0,00,00,40,AF,F0,10894
520 DATA 4A,00,00,40,5A,F3,E0,00,00,40,0F,F1,4A,00,00,7376
530 DATA 40,0D,0F,48,00,00,40,AE,0C,EA,00,00,40,D5,FF,11170
540 DATA C0,00,00,40,C0,C0,C0,00,00,40,AF,0F,5F,80,00,8367
550 DATA 40,AF,F1,F5,80,00,40,0F,F3,A5,80,00,40,AF,F1,13519
```

A SUIVRE...

BON DE COMMANDE

A expédier à : Editions SORACOM
La Haie de Pan - 35170 BRUZ

DESIGNATION	Prix unitaire	Quantité	Port	Montant
Pour chaque article, entourez le ou les n° choisis.				
ANCIEN No AMSTAR & CPC N° 47	**26 F** *(unité)*		**Franco**	
DISQUETTES AMSTAR & CPC N° 20 – 21 – 22 – 23 – 24 – 25 – 26 – 27 – 28 – 29 – 30 (une disquette réunit 2 numéros consécutifs d'Amstar & CPC)	**80 F** *(unité)*		**Franco**	
ANCIEN No CPC Infos N°25 – 26 – 27 – 28 – 29 – 30 – 31 – 32 – 33 – 34 – 35 – 36 – 37 – 38 – 39 – 40 – 41 – 42 – 43 –44 – 45 – 46 – 47	**26 F** *(unité)*		**8F**	
48 – 49 – 50	**30F** *(unité)*		**8F**	
DISQUETTES CPC Infos – MEGA SOUND – AXYS – N° 31 (Am'Star 48 & CPC Infos 24) – N° 32 (CPC Infos 25 & 26) – N° 33 (CPC Infos 27 & 28) – N° 35 (CPC Infos 31 & 32) – N° 36 (CPC Infos 33 & 34) – N° 37 (CPC Infos 35 & 36) – N° 38 (CPC Infos 37 & 38) – N° 39 (CPC Infos 39 & 40) – N° 40 (CPC Infos 41 & 42) – N° 41 (CPC Infos 43 & 44) – N°42 (CPC Infos 45 & 46) – N°43 (CPC Infos 47 & 48) –N°44 (CPC Infos 49 & 50)	**80 F** *(unité)*		**Franco**	
DISQUETTES CPC ET DISQUETTES HORS-SERIE CPC N° 1 – 2 – 3 – 4 – 5 – 6 – 7 – 8 – 9 – 10 – 11 – 12 – 13 – 14 – 15 – 16 – 17 – 18 – 19 (une disquette réunit 2 numéros consécutifs de CPC) HS1 – HS2 – HS3 – HS4 – HS5 – HS6 – HS7 – HS8 – HS9 – HS10 – HS11 HS12 – HS13 – HS14 – HS15 – HS16 – HS17 – HS18 – HS19 – HS20 – HS21 -- HS22 -- HS23	**80 F** *(unité)*		**Franco**	
DISQUETTES "ARCADES" Téléchargement AMSTRAD CPC				
Version 464 - 664 - 6128	**60 F**		**5 F**	
NOUVEAU Version 61218 +	**60 F**		**5 F**	
CABLE pour téléchargement				
Version 464 - 664 - 6128	**89 F**		**5 F**	
NOUVEAU Version 6128 +	**89 F**		**5 F**	

DESIGNATION	REFERENCE	Prix unitaire	Quantité	Port	Montant

ATTENTION : + Port indiqué à chaque article. Si le port n'est pas indiqué : Forfait 25F jusqu' à 200F de commande ou 10% au delà de 200F.

Pour tout envoi par avion :
prendre contact avec le service commercial

❑ **Facultatif : recommandé + 20 F par commande**	**20 F**
30F étranger	**30 F**
MONTANT GLOBAL	

Je joins mon règlement : ❑ chèque bancaire ❑ chèque postal ❑ mandat

PAYEZ PAR CARTE BANCAIRE

Date d'expiration *Signature*

(inscrire les numéros de la carte, la date et signer)

Date ____________________ **Signature**

CPC 51

Nom : ____________________ **Prénom :** ____________________

Adresse : ____________________

____

Code Postal : ____________ **Ville :** ____________________

ECRIRE EN MAJUSCULES

Afin de faciliter le traitement des commandes, nous remercions notre aimable clientèle de ne pas agrafer les chèques, et de ne rien inscrire au dos.

Commande : La commande doit comporter tous les renseignements demandés sur le bon de commande (désignation ou référence si celle-ci existe). Toute absence de précisions est sous la responsabilité de l'acheteur. La vente est conclue dès acceptation du bon de commande par notre société, sur les articles disponibles uniquement.
Les prix : Les prix indiqués sont valables du jour de la parution du catalogue jusqu'au mois suivant ou au jour de parution du nouveau catalogue, sauf erreur dans le libellé de nos tarifs au moment de la fabrication du catalogue, et de variation de prix importante des fournisseurs.
Livraison : La livraison intervient après le règlement. Les délais de livraison étant de 10 à 15 jours environ, SORACOM ne pourra être tenue pour responsable des retards dus aux transporteurs ou aux grèves des services postaux.
Transport : La marchandise voyage aux risques et périls du destinataire. La livraison se faisant par colis postal ou par transporteur. Les prix indiqués sur le bon de commande sont valables sur toute la France métropolitaine, + 20 F par article pour Outre-Mer par avion et au-dessus de 5 kg nous nous réservons la possibilité d'ajuster le prix de transport enfonction du coût réel de celui-ci. Pour bénéficier de recours possible nous invitons notre aimable clientèle à opter pour l'envoi en recommandé. A réception des paquets, toute détérioration doit être signalée **Réclamation** : Toute réclamation doit intervenir dans les dix jours suivants la réception des marchandises.



TRACE COURBES

Bertrand JOUIN

Valable pour CPC 664 - 6128

TRACE-C, comme son nom l'indique permet de tracer des courbes définies par l'utilisateur. Ces courbes peuvent être représentées soit en coordonnées rectangulaires soit en coordonnées polaires.

De ce fait, Trace-C gère 4 pages graphiques, totalement indépendantes (Coordonnées, Fonction, Ensemble de définition). De plus, je crois que TRACE-C est le seul programme BASIC, entièrement géré par menus déroulants!

Mais commençons par le commencement : pour choisir une option, il suffit de se déplacer avec les touches fléchées haut et bas, et de valider avec la touche RETURN (ou ENTER). TRACE-C posséde 4 pages graphiques distinctes :

- 2 pages graphiques en coordonnée rectangulaire (coordonnée X, Y) - et 2 pages graphiques en coordonnée polaire (coordonnée a,t) Ces 4 pages graphiques sont complétement indépendantes les unes des autres. Passons à la description de chaque partie :

• **Exécution de la fonction** : trace la fonction graphique. Aprés avoir choisi l'écran ainsi que la ou les fonctions, on choisit celle-ci en validant avec la touche RETURN (il apparaît un petit signe qui signifie que la fonction est sélectionnée) et on passe au traçage en allant sur FIN. Lors du traçage, toute pression sur la touche TAB permet de stopper l'exécution de la fonction. En Haut de la page graphique apparaît un menu :

Les flèches permettent de déplacer le repère d'un certain nombre de graduations (modifiable dans le menu Options (Décalage). Les touches -,+ permettent de faire un zoom. La touche P permet d'afficher un curseur qui se déplace grâce aux flèches. Les coordonnées du point en X et en Y s'affichent au bas de l'écran. Si l'on presse la touche TAB, le déplacement se fait plus rapidement (et par une autre pression, on retourne au déplacement normal). Ici aussi, si l'on appuie sur les touches + et -, il y a un zoom, et un recentrage de l'écran sur le point.

Si on appuie sur la touche RETURN, on revient au menu précédent. La touche Z permet de faire un zoom boîte, cette option fonctionne de la même manière que l'option P sauf qu'il suffit d'appuyer sur ESPACE pour positionner les coins de la fenêtre. Revenons au premier menu (les flèches, zoom, point, zoom boîte), il suffit d'appuyer sur RETURN pour revenir au menu principal, et sur TAB pour passer au traçage de la fonction suivante (s'il y en a une).

• **Introduction de la fonction**, permet d'introduire une nouvelle fonction. Il faut choisir la page graphique, et aussi l'emplacement de la nouvelle fonction.

Cette fonction doit être en fonction de X (exp. : sin(X)), si on a choisi une page graphique en coordonnées rectangulaires , ou en fonction de t (exp. : sin(t)), si on a choisi une page graphique en coordonnées polaires.

On valide l'emplacement par la touche RETURN, et l'on tape la fonction (attention aux fautes de syntaxe, elle est identique à celle du BASIC.). Lorsque l'on a fini d'introduire la ou les fonctions, on va sur FIN et l'on valide. Un petit peu de patience et l'on retourne dans le menu principal.

• **Impression de la fonction**, permet l'impression de la fonction.

Il faut encore choisir la page graphique désirée et aussi la densité de l'impression. Préparez l'imprimante et appuyez sur une touche quelconque

• **Ensemble de définition**, permet de définir l'ensemble de définition pour chaque page graphique. X minimum : définit le plus petit X affichable (par exp. : si X minimum = -1, alors toutes les coordonnées inférieures à -1, ne pourront pas être affichées (de même pour le reste des coordonnées)). Il est aussi possible de définir la valeur de chaque graduation en X et en Y. De plus, pour les coordonnées po-

laires, il est possible de définir l'ensemble de définition des angles.

Exemple en coordonnées rectangulaires : entrer la fonction F(x)= sin(x) (dans Introduction de la fonction) ensuite aller dans Ensemble de définitions et entrer (de la même manière que introduction de la fonction):

- X minimum __________ :-720
- X maximum __________ : 720
- graduation X __________ : 90
- Y minimum __________ :-1.5
- Y maximum __________ : 1.5
- graduation Y__________ : 1

et visualiser le résultat dans Exécution de la fonction

- **Options**, permet de définir différentes options lors du tracé de courbe. Il fonctionne sur le même principe que l'ensemble de définition.

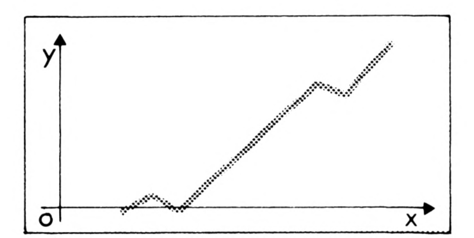
- **Décalage** permet de définir le nombre de graduation pour déplacer le repère lors du traçage de courbe (avec les flèches).

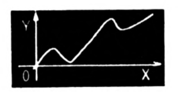
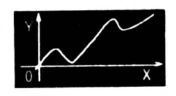
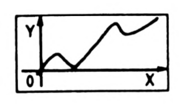
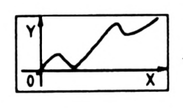
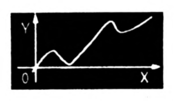
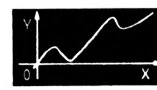
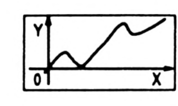
- **Facteur d'agrandissement** permet de déterminer le facteur du zoom (avec les touches +,-).

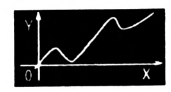
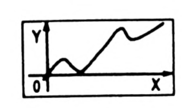
- **Ligne, Point**, permet si l'option Ligne est sélectionnée (affichage d'un petit caractère) le traçage de la courbe, en une suite de lignes, ou si l'option Point est sélectionnée, point par point.

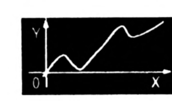
- **Pas Infos, Infos**, permet lors du traçage, l'impression de toutes les coordonnées des points, si l'option Infos est sélectionnée.

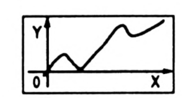
Bonnes Courbes !!







TRACE-C.BAS

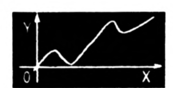
```
10 '*********************              >LA
20 '*                   *              >LB
30 '*    Trace Courbe   *              >LC
40 '*                   *              >LD
50 '* par Jouin Bertrand *             >LE
60 '*                   *              >LF
70 '*********************              >LG
80 '                                   >LH
90  MODE 2:INK 0,0:INK 1,0:BORDER 0    >AZ
100 SYMBOL AFTER 240                   >PP
110 SYMBOL 240,255,128,158,144,144,128,128,128   >MB
120 SYMBOL 241,255,1,121,9,9,1,1,1     >AQ
130 SYMBOL 242,1,1,1,9,9,121,1,255     >AT
140 SYMBOL 243,128,128,128,144,144,158,128,255   >MH
150 SYMBOL 244,0,0,0,0,0,0,0,255       >YJ
160 SYMBOL 245,255,0,0,0,0,0,0,0       >YL
170 SYMBOL 246,128,128,128,128,128,128,128,128   >MP
180 SYMBOL 247,1,1,1,1,1,1,1,1         >WF
190 SYMBOL 250,2,2,4,4,8,72,48,16      >ZD
200 SYMBOL 251,24,60,126,255,24,24,24,24         >FA
210 SYMBOL 252,24,24,24,24,255,126,60,24         >FC
220 SYMBOL 253,16,48,112,255,255,112,48,16       >HW
230 SYMBOL 254,8,12,14,255,255,14,12,8           >DH
240 OPENOUT "GOLIOJUN.IOR":MEMORY &6FFF:CLOSEOUT >XG
250 LOAD"t-cpre",&7000                 >TB
260 CALL &7000                         >HF
270 INK 1,26                           >VC
280 RUN"t-c                            >GF
```

T-C.BAS



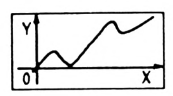



```
10 '*********************              >LA
20 '*                   *              >LB
30 '*    Trace Courbe   *              >LC
40 '*                   *              >LD
50 '* par Jouin Bertrand *             >LE
60 '*                   *              >LF
70 '*********************              >LG
80 '                                   >LH
90 '=====================              >LJ
100 ' Initialisation                   >RB
110 '=====================             >RC
120 '                                  >RD
130 DEG                                >RA
140 IF PEEK(&7000)=&F0 THEN 200        >XD
150 ON ERROR GOTO 2980                 >QP
160 MEMORY &6FFF:LOAD"t-crsx.bin",&8000          >LK
170 LOAD"t-ctable",&8800               >VF
180 LOAD"t-cmenu",&7000                >UP
190 CALL &8000                         >HJ
200 MODE 2:INK 0,0:INK 1,26:BORDER 0:GRAPHICS PEN 1   >UU
210 DIM fonct$(10,4),fonct(10,4),x1(4),y1(4),x2(4),y2(4 >TE
),gradx(4),grady(4),angle1(4),angle2(4),x(15),y(15):WID
TH 255
220 FOR e=1 TO 4:x1(e)=-10:x2(e)=10:y1(e)=-10:y2(e)=10: >GQ
gradx(e)=1:grady(e)=1:angle1(e)=0:angle2(e)=180:NEXT e
230 fac=0.5:decal=2:pasx=1:pasy=2:point=1:infos=1      >XJ
240 '                                  >RG
250 '=====================             >RH
260 ' Menu principal                   >RJ
```



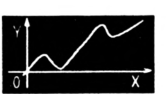
```
270 '=====================                                   >RK
280 '                                                        >TA
290 RESTORE 2210:a=1:buffer=&8B00                           >BD
300 WINDOW 1,80,1,25                                         >NF
310 GOSUB 2850                                               >QA
320 ON a GOSUB 390,1510,1690,1360,1990                      >DP
330 GOTO 290                                                 >ZD
340 '                                                        >RH
350 '=====================                                   >RJ
360 ' Traceur de courbes                                     >RK
370 '=====================                                   >TA
380 '                                                        >TB
390 a=1:RESTORE 2220:buffer=&91C9:GOSUB 2850:|FERMER,1:      >QM
|FERMER,0
400 IF a=5 THEN RETURN ELSE ecran=a:a=1                      >GR
410 IF ecran<3 THEN RESTORE 2270 ELSE RESTORE 2280           >TF
420 buffer=&8B00                                             >LV
430 GOSUB 2830                                               >QB
440 FOR c=1 TO 10:LOCATE 18,c+9:PRINT fonct$(c,ecran):I      >BP
F fonct(c,ecran)=1 THEN LOCATE 10,c+9:PRINT CHR$(250)
450 NEXT c:reper=0                                           >NA
460 GOSUB 2860                                               >QH
470 IF a=11 THEN |FERMER,6:|FERMER,7:GOTO 520                >QB
480 IF LEN(fonct$(a,ecran))=0 THEN PRINT CHR$(7);:GOTO       >CB
460
490 IF fonct(a,ecran)=1 THEN fonct(a,ecran)=0 ELSE fonc      >RL
t(a,ecran)=1
500 LOCATE 10,a+9:IF fonct(a,ecran)=1 THEN PRINT CHR$(2      >VQ
50) ELSE PRINT " "
510 GOTO 460                                                 >ZC
520 FOR a=1 TO 10:IF fonct(a,ecran)=1 AND LEN(fonct$(a,      >CB
ecran))>0 THEN ON a GOSUB 3090,3100,3110,3120,3130,3140
,3150,3160,3170,3180 ELSE 590
530 IF ecran<3 THEN |OUVRIR,10,10,10,&8B00 ELSE |OUVRIR      >UR
,11,10,10,&8B00
540 LOCATE 19,11:PRINT fonct$(a,ecran)                       >GV
550 a$=INKEY$:IF a$="" THEN 550                              >XC
560 |FERMER,10:|FERMER,11                                    >WU
570 IF infos=2 THEN GOSUB 2740                               >XK
580 GOTO 610                                                 >ZG
590 NEXT a                                                   >NE
600 RETURN                                                   >ZB
610 IF reper=0 THEN GOSUB 1190                               >XZ
620 WINDOW 1,1,1,1                                           >MJ
630 |CHARGER,ecran+1                                         >QW
640 IF ecran>2 THEN 780                                      >QT
650 '*********************                                   >TB
660 ' Coor. Rectangulaire                                    >TC
670 '*********************                                   >TD
680 finfos=1:flag=1:FOR x=x1(ecran) TO x2(ecran) STEP e      >HN
chelx
690 IF INKEY$=CHR$(9) THEN 880                               >XA
700 c=x/echelx+ox                                            >NQ
710 ly=y:y=FNy/echely+oy                                     >WJ
720 IF infos=2 THEN IF finfos=3 THEN FOR d=1 TO 2:PRINT      >FX
 #8,"X :";x(d);CHR$(9);"Y :";y(d);CHR$(9);:NEXT d::PRIN
T #8,"X :";x;CHR$(9);"Y :";FNy:finfos=1: ELSE x(finfos)
=x:y(finfos)=FNy:finfos=finfos+1
730 GOSUB 1080                                               >QA
740 NEXT x:GOTO 880                                          >NJ
750 '*********************                                   >TC
760 ' Coor. Polaire                                          >TD
770 '*********************                                   >TE
780 finfos=1:flag=1:FOR t=angle1(ecran) TO angle2(ecran      >DK
)
790 IF INKEY$=CHR$(9) THEN 880                               >XB
800 d=FNy:c=(d*COS(t))/echelx+ox                             >CM
810 ly=y:y=(d*SIN(t))/echely+oy                              >BN
820 IF infos=2 THEN IF finfos=3 THEN FOR d=1 TO 2:PRINT      >GW
 #8,"t :";x(d);CHR$(9);"r :";y(d);CHR$(9);:NEXT d::PRIN
T #8,"t :";t;CHR$(9);"r :";FNy:finfos=1: ELSE x(finfos)
=t:y(finfos)=FNy:finfos=finfos+1
830 GOSUB 1080                                               >QB
840 NEXT t                                                   >QB
850 '*********************                                   >TD
860 ' Options                                                >TE
870 '*********************                                   >TF
880 WINDOW 1,80,1,25:|SAUVER,ecran+1                         >FA
890 |OUVRIR,9,1,1,&8B00                                      >TJ
900 a$=INKEY$:IF a$="" THEN 900                              >XA
910 |FERMER,9                                                >ZF
920 IF a$=CHR$(9) THEN WINDOW SWAP 1,0:GOTO 590              >NP
930 IF a$="+" THEN x1(ecran)=x1(ecran)*fac:x2(ecran)=x2      >DJ
(ecran)*fac:y1(ecran)=y1(ecran)*fac:y2(ecran)=y2(ecran)
*fac:reper=0:GOTO 520
940 IF a$="-" THEN x1(ecran)=x1(ecran)/fac:x2(ecran)=x2      >DJ
(ecran)/fac:y1(ecran)=y1(ecran)/fac:y2(ecran)=y2(ecran)
/fac:reper=0:GOTO 520
950 IF a$=CHR$(243) THEN x1(ecran)=x1(ecran)+decal*grad      >EU
```


Bon de commande page 38



```
x(ecran):x2(ecran)=x2(ecran)+decal*gradx(ecran):reper=0
:GOTO 520
960 IF a$=CHR$(242) THEN x1(ecran)=x1(ecran)-decal*grad >EY
x(ecran):x2(ecran)=x2(ecran)-decal*gradx(ecran):reper=0
:GOTO 520
970 IF a$=CHR$(241) THEN y1(ecran)=y1(ecran)-decal*grad >EE
y(ecran):y2(ecran)=y2(ecran)-decal*grady(ecran):reper=0
:GOTO 520
980 IF a$=CHR$(240) THEN y1(ecran)=y1(ecran)+decal*grad >EA
y(ecran):y2(ecran)=y2(ecran)+decal*grady(ecran):reper=0
:GOTO 520
990 IF a$=CHR$(13) THEN RETURN                          >XH
1000 IF LOWER$(a$)="p" THEN GOSUB 2340:IF flag=1 THEN 9 >JL
30 ELSE 890
1010 IF LOWER$(a$)="z" THEN GOSUB 2530:reper=0:GOTO 520 >ZD

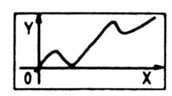
1020 GOTO 890                                           >FF
1030 '                                                  >XG
1040 '=====================                             >XH
1050 ' tra\age                                          >XJ
1060 '=====================                             >XK
1070 '                                                  >YA
1080 IF flag=2 AND (y>200 OR y<-200) THEN 1130          >KE
1090 IF flag=2 THEN IF ly<-200 THEN MOVE c,-200:flag=0  >AA
ELSE MOVE c,200:flag=0
1100 IF y>200 THEN y=200:flag=2 ELSE IF y<-200 THEN y=- >CM
200:flag=2 ELSE y=INT(y)
1110 IF flag=1 THEN MOVE c,y:flag=0:GOTO 1130           >MP
1120 IF flag<> 2 THEN IF point=2 THEN PLOT c,y ELSE DRA >CL
W c,y
1130 RETURN                                             >EJ
1140 '                                                  >XJ
1150 '=====================                             >XK
1160 ' tra\age du rep}re                                >YA
1170 '=====================                             >YB
1180 '                                                  >YC
1190 reper=1:MODE 2:WINDOW 1,1,1,1:MOVE 0,0,,0:CLG:GRAP >HE
HICS PEN 1:ORIGIN 320,200
1200 echelx=(x2(ecran)-x1(ecran))/640:echely=(y2(ecran) >RU
-y1(ecran))/400:ox=-320-(x1(ecran)/echelx):oy=-200-(y1(
ecran)/echely)
1210 IF y1(ecran)>0 THEN 1260                           >WL
1220 PLOT -320,oy:DRAW 320,oy:c=INT(x1(ecran)/gradx(ecr >LR
an))*-1
1230 FOR d=1 TO c:PLOT (-d*gradx(ecran))/echelx+ox,oy+4 >UP
:DRAW (-d*gradx(ecran))/echelx+ox,oy-4:NEXT d
1240 c=INT(x2(ecran)/gradx(ecran))                      >DH
1250 FOR d=1 TO c:PLOT (d*gradx(ecran))/echelx+ox,oy+4: >QG
DRAW (d*gradx(ecran))/echelx+ox,oy-4:NEXT d
1260 IF x1(ecran)>0 THEN 1300                           >WK
1270 PLOT ox,-200:DRAW ox,200:c=INT(y1(ecran)/grady(ecr >LQ
an))*-1
1280 FOR d=1 TO c:PLOT ox+2,(-d*grady(ecran))/echely+oy >UV
:DRAW ox-2,(-d*grady(ecran))/echely+oy:NEXT d
1290 c=INT(y2(ecran)/grady(ecran)):FOR d=1 TO c:PLOT ox >XF
+2,(d*grady(ecran))/echely+oy:DRAW ox-2,(d*grady(ecran)
)/echely+oy:NEXT d
1300 |SAUVER,ecran+1:RETURN                             >YG
1310 '                                                  >XH
1320 '=====================                             >XJ
1330 ' ensem. de d{finition                             >XK
1340 '=====================                             >YA
1350 '                                                  >YB
1360 a=1:buffer=&91C9:RESTORE 2220:GOSUB 2850:|FERMER,1 >UX
:|FERMER,0:IF a=5 THEN RETURN ELSE ecran=a:a=1
1370 IF ecran>2 THEN RESTORE 2240 ELSE RESTORE 2230     >UV
1380 buffer=&8B00:GOSUB 2830                            >WV
1390 LOCATE 26,11:PRINT x1(ecran):LOCATE 26,12:PRINT x2 >WX
(ecran):LOCATE 26,13:PRINT gradx(ecran):LOCATE 26,14:PR
INT y1(ecran):LOCATE 26,15:PRINT y2(ecran):LOCATE 26,16
:PRINT grady(ecran)
1400 IF ecran>2 THEN LOCATE 26,17:PRINT angle1(ecran):L >UP
OCATE 26,18:PRINT angle2(ecran)
1410 GOSUB 2860                                         >XE
1420 IF a=7 AND ecran<3 THEN |FERMER,2:|FERMER,3:RETURN >TJ
 ELSE IF a=9 THEN |FERMER,2:|FERMER,3:RETURN
1430 LOCATE 26,a+10:PRINT SPACE$(10):LOCATE 26,a+10     >VT
1440 INPUT "",c:IF a=1 THEN x1(ecran)=c ELSE IF a=2 THE >FN
N x2(ecran)=c ELSE IF a=3 THEN gradx(ecran)=c ELSE IF a
=4 THEN y1(ecran)=c ELSE IF a=5 THEN y2(ecran)=c ELSE I
F a=6 THEN grady(ecran)=c ELSE IF a=7 THEN angle1(ecran
)=c ELSE angle2(ecran)=c
1450 GOTO 1390                                          >NA
1460 '                                                  >YD
1470 '=====================                             >YE
1480 ' Intro. de fonction(s)                            >YF
1490 '=====================                             >YG
1500 '                                                  >XJ
1510 a=1:RESTORE 2220:buffer=&91C9:GOSUB 2850:|FERMER,1 >UH
:|FERMER,0:IF a=5 THEN RETURN ELSE ecran=a:a=1
1520 IF ecran<3 THEN RESTORE 2270 ELSE RESTORE 2280     >UZ
1530 buffer=&8B00                                       >MJ
1540 GOSUB 2830                                         >XF
1550 FOR c=1 TO 10:LOCATE 18,c+9:PRINT fonct$(c,ecran): >FA
NEXT
1560 GOSUB 2860:IF a=11 THEN 1590                       >ZE
1570 LOCATE 18,a+9:PRINT SPACE$(40):LOCATE 18,a+9:INPUT >AH
 "",fonct$(a,ecran)
1580 GOTO 1560                                          >ND
1590 |FERMER,6:|FERMER,7                                >WD
1600 OPENOUT "trace-c.dat":FOR c=1 TO 10:a$=STR$(3140+1 >RV
0*ecran+40*c)+" def fny="+fonct$(c,ecran)+":return":PRI
NT #9,a$:NEXT
1610 CLOSEOUT                                           >YJ
1620 CHAIN MERGE "trace-c.dat",1630                     >FW
1630 GOTO 290                                           >FG
1640 '                                                  >YD
1650 '=====================                             >YE
1660 ' Impression                                       >YF
1670 '=====================                             >YG
1680 '                                                  >YH
1690 a=1:RESTORE 2220:buffer =&91C9:GOSUB 2850:|FERMER, >VG
1:|FERMER,0:IF a=5 THEN RETURN ELSE ecran=a:a=1
1700 RESTORE 2260:buffer=&8B00:GOSUB 2850               >KZ
1710 IF a=6 THEN |FERMER,5:RETURN                       >CJ
1720 b=a                                                >WF
1730 |OUVRIR,8,12,12,&9641                              >VU
1740 a$=INKEY$:IF a$="" THEN 1740                       >ZK
```



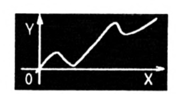
```
1750 |FERMER,8:|FERMER,5                                    >WB
1760 PRINT #8,CHR$(27);CHR$(69);                             >ZQ
1770 RESTORE 1930                                            >LD
1780 READ a$:PRINT #8,a$;y1(ecran):READ a$:PRINT #8,a$; >HK
y2(ecran):READ a$:PRINT #8,a$;grady(ecran):READ a$:PRIN
T #8,a$;x1(ecran):READ a$:PRINT #8,a$;x2(ecran):READ a$
:PRINT #8,a$;gradx(ecran)
1790 IF ecran>2 THEN READ a$:PRINT #8,a$;angle1(ecran): >WL
READ a$:PRINT #8,a$;angle2(ecran)
1800 PRINT #8                                                >HE
1810 PRINT #8,"Fonction(s) : "                               >BB
1820 FOR a=1 TO 10:IF fonct(a,ecran)=1 THEN PRINT #8," >YK
 ";fonct$(a,ecran)
1830 NEXT a                                                  >UK
1840 |CHARGER,ecran+1                                        >RQ
1850 ON b GOSUB 1880,1890,1900,1910,1920                     >EG
1860 PRINT #8                                                >JA
1870 RETURN                                                  >FK
1880 |PRINT,3,&2B:RETURN                                     >VL
1890 |PRINT,2,&2B:RETURN                                     >VL
1900 |PRINT,1,&2B:RETURN                                     >VB
1910 |PRINT,6,&0:RETURN                                      >UR
1920 |PRINT,4,&0:RETURN                                      >UQ
1930 DATA "Y minimum....:","Y maximum....:","graduation >GE
 Y.:","X minimum....:","X maximum....:","graduation X.:
","angle dtbut..:","angle fin....:"
1940 '                                                       >YG
1950 '=====================                                  >YH
1960 ' Options                                               >YJ
1970 '=====================                                  >YK
1980 '                                                       >ZA
1990 a=1:buffer=&91C9                                        >QV
2000 RESTORE 2250:GOSUB 2830                                 >WJ
2010 LOCATE 30,11:PRINT decal:LOCATE 30,12:PRINT fac:LO >FU
CATE 30,13:IF point=1 THEN PRINT CHR$(250) ELSE PRINT "
 "
2020 LOCATE 30,14:IF point=2 THEN PRINT CHR$(250) ELSE >HW
PRINT " "
2030 LOCATE 30,15:IF infos=2 THEN PRINT CHR$(250) ELSE >HL
PRINT " "
2040 LOCATE 30,16:IF infos=1 THEN PRINT CHR$(250) ELSE >HM
PRINT " "
2050 GOSUB 2860                                              >XF
2060 IF a=7 THEN |FERMER,4:|FERMER,0:RETURN                  >PR
2070 LOCATE 30,a+10:PRINT SPACE$(5):LOCATE 30,a+10           >UP
2080 IF a>2 THEN 2110                                        >NL
2090 INPUT "",c:IF a=1 THEN decal=c ELSE IF a=2 THEN fa >ZU
c=c
2100 GOTO 2010                                               >LD
2110 IF a=3 THEN point=1                                     >RN
2120 IF a=4 THEN point=2                                     >RR
2130 IF a=5 THEN infos=2                                     >RG
2140 IF a=6 THEN infos=1                                     >RH
2150 GOTO 2010                                               >LJ
2160 '                                                       >YB
2170 '=====================                                  >YC
2180 ' Textes                                                >YD
2190 '=====================                                  >YE
2200 '                                                       >XG
2210 DATA 0,1,1,29,5,2,2,2,3,2,4,2,5,2,6                     >ET
2220 DATA 1,5,5,39,5,6,6,6,7,6,8,6,9,6,10                    >FB
2230 DATA 2,10,10,28,7,11,11,11,12,11,13,11,14,11,15,11 >FP
,16,11,17
2240 DATA 3,10,10,28,9,11,11,11,12,11,13,11,14,11,15,11 >WA
,16,11,17,11,18,11,19
2250 DATA 4,10,10,31,7,11,11,11,12,11,13,11,14,11,15,11 >FM
,16,11,17
2260 DATA 5,10,10,43,6,11,11,11,12,11,13,11,14,11,15,11 >YL
,16
2270 DATA 6,9,9,48,11,10,10,10,11,10,12,10,13,10,14,10, >LE
15,10,16,10,17,10,18,10,19,10,20
2280 DATA 7,9,9,48,11,10,10,10,11,10,12,10,13,10,14,10, >LG
15,10,16,10,17,10,18,10,19,10,20
2290 '                                                       >YF
2300 '=====================                                  >XH
2310 ' Option : point                                        >XJ
2320 '=====================                                  >XK
2330 '                                                       >YA
2340 x=0:y=0:flag=0                                          >NW
2350 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZT
2360 a$=INKEY$:IF a$="" THEN 2360                            >ZH
2370 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZV

2380 IF a$="-" THEN x1(ecran)=x1(ecran)+(x-ox)*echelx:x >WA
2(ecran)=x2(ecran)+(x-ox)*echelx:y1(ecran)=y1(ecran)+(y
-oy)*echely:y2(ecran)=y2(ecran)+(y-oy)*echely:flag=1:RE
TURN
2390 IF a$="+" THEN x1(ecran)=x1(ecran)+(x-ox)*echelx:x >WZ
2(ecran)=x2(ecran)+(x-ox)*echelx:y1(ecran)=y1(ecran)+(y
-oy)*echely:y2(ecran)=y2(ecran)+(y-oy)*echely:flag=1:RE
TURN
2400 IF ASC(a$)=9 THEN IF pasy=2 THEN pasy=20:pasx=10 E >XQ
LSE pasy=2:pasx=1
2410 IF a$=CHR$(240) THEN IF y+pasy>199 THEN 2350 ELSE >GE
y=y+pasy
2420 IF a$=CHR$(241) THEN IF y-pasy<-199 THEN 2350 ELSE >HP
 y=y-pasy
2430 IF a$=CHR$(242) THEN IF x-pasx<-321 THEN 2350 ELSE >HX
 x=x-pasx
2440 IF a$=CHR$(243) THEN IF x+pasx>319 THEN 2350 ELSE >GZ
x=x+pasx
2450 IF a$=CHR$(13) THEN |CHARGER,ecran+1:GRAPHICS PEN >LD
1:RETURN
2460 LOCATE 1,25:PRINT SPACE$(70):LOCATE 1,25:PRINT "X >UX
: ";(x-ox)*echelx;TAB(40);"Y : ";(y-oy)*echely
2470 GOTO 2350                                               >NA
2480 '                                                       >YG
2490 '=====================                                  >YH
2500 ' Option : zoom boite                                   >XK
2510 '=====================                                  >YA
2520 '                                                       >YB
2530 x=0:y=0:flag=0                                          >NX
2540 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZU

2550 a$=INKEY$:IF a$="" THEN 2550                            >ZK
2560 IF flag=1 THEN MOVE x,y:DRAW x(3),y,,1:DRAW x(3),y >TU
(3),,1:DRAW x,y(3),,1:DRAW x,y,,1
2570 MOVE x-4,y:DRAW x+4,y,,1:MOVE x,y-6:DRAW x,y+6,,1 >ZX
```



```
2580 IF ASC(a$)=9 THEN IF pasy=2 THEN pasy=20:pasx=10 E >XA
LSE pasy=2:pasx=1
2590 IF a$=CHR$(240) THEN IF y+pasy>199 THEN 2650 ELSE  >GT
y=y+pasy
2600 IF a$=CHR$(241) THEN IF y-pasy<-199 THEN 2650 ELSE >HT
 y=y-pasy
2610 IF a$=CHR$(242) THEN IF x-pasx<-321 THEN 2650 ELSE >HA
 x=x-pasx
2620 IF a$=CHR$(243) THEN IF x+pasx>319 THEN 2650 ELSE  >GC
x=x+pasx
2630 IF a$=CHR$(32) THEN PRINT CHR$(7);:IF flag=1 THEN  >BY
x(2)=(x-ox)*echelx:y(2)=(y-oy)*echely:GOTO 2680 ELSE x(
1)=(x-ox)*echelx:y(1)=(y-oy)*echely:flag=1:x(3)=x:y(3)=
y
2640 IF a$=CHR$(13) THEN |CHARGER,ecran+1:GRAPHICS PEN  >LE
1:RETURN
2650 IF flag=1 THEN MOVE x,y:DRAW x(3),y,,1:DRAW x(3),y >TU
(3),,1:DRAW x,y(3),,1:DRAW x,y,,1
2660 LOCATE 1,25:PRINT SPACE$(70):LOCATE 1,25:PRINT "X  >UZ
: ";(x-ox)*echelx;TAB(40);"Y : ";(y-oy)*echely
2670 GOTO 2540                                          >ND
2680 x1(ecran)=MIN(x(1),x(2)):x2(ecran)=MAX(x(1),x(2)): >PU
y1(ecran)=MIN(y(1),y(2)):y2(ecran)=MAX(y(1),y(2)):RETUR
N
2690 '                                                  >YK
2700 '=====================                             >YB
2710 ' Init. Infos                                      >YC
2720 '=====================                             >YD
2730 '                                                  >YE
2740 PRINT #8,CHR$(15);CHR$(27);"D";CHR$(22);CHR$(44);C >DM
HR$(66);CHR$(88);CHR$(110);CHR$(0);CHR$(27);CHR$(49);
2750 IF ecran<3 THEN PRINT #8,"Coordonn{es rectangulair >BN
es" ELSE PRINT #8,"Coordonn{es polaires"
2760 PRINT #8,"Fonctions : ";fonct$(a,ecran)            >RF
2770 RETURN                                             >FK
2780 '                                                  >YK
2790 '=====================                             >ZA
2800 ' Menu                                             >YC
2810 '=====================                             >YD
2820 '                                                  >YE
2830 READ No,c,d,long,b:|OUVRIR,no,c,d,buffer:FOR d=1 T >QC
0 b:READ x(d),y(d):NEXT d:d=0
2840 RETURN                                             >FH
2850 GOSUB 2830                                         >YA
2860 |INVERT,x(a),y(a),long                             >XP
2870 a$=INKEY$:IF a$="" THEN 2870                       >ZW
2880 |INVERT,x(a),y(a),long                             >XR
2890 IF a$=CHR$(13) THEN RETURN                         >YG
2900 IF a$=CHR$(240) THEN IF a=1 THEN a=b ELSE a=a-1    >RA
2910 IF a$=CHR$(241) THEN IF a=b THEN a=1 ELSE a=a+1    >RA
2920 GOTO 2860                                          >NG
2930 '                                                  >YG
2940 '=====================                             >YH
2950 ' S.P des Erreurs                                  >YJ
2960 '=====================                             >YK
2970 '                                                  >ZA
2980 IF ERR=6 THEN IF y>200 THEN y=200:RESUME ELSE IF y >MY
<-200 THEN y=-200:RESUME ELSE y=INT(y):RESUME
2990 IF ERR=6 THEN flag=1:RESUME NEXT                   >FV
3000 IF ERR=11 THEN flag=1:RESUME 1130                  >FE
3010 MODE 2:PRINT ERR;" a la ligne ";ERL                >LR
3020 RESUME 3030                                        >FK
3030 END                                                >YE
3040 '                                                  >XK
3050 '=====================                             >YA
3060 ' Liste des fonctions                              >YB
3070 '=====================                             >YC
3080 '                                                  >YD
3090 ON ecran GOSUB 3190,3200,3210,3220:RETURN          >PK
3100 ON ecran GOSUB 3230,3240,3250,3260:RETURN          >PJ
3110 ON ecran GOSUB 3270,3280,3290,3300:RETURN          >PT
3120 ON ecran GOSUB 3310,3320,3330,3340:RETURN          >PG
3130 ON ecran GOSUB 3350,3360,3370,3380:RETURN          >PA
3140 ON ecran GOSUB 3390,3400,3410,3420:RETURN          >PP
3150 ON ecran GOSUB 3430,3440,3450,3460:RETURN          >PY
3160 ON ecran GOSUB 3470,3480,3490,3500:RETURN          >PG
3170 ON ecran GOSUB 3510,3520,3530,3540:RETURN          >PW
3180 ON ecran GOSUB 3550,3560,3570,3580:RETURN          >PP
3190 DEF FNy=:RETURN                                    >QY
3200 DEF FNy=:RETURN                                    >QP
3210 DEF FNy=:RETURN                                    >QQ
3220 DEF FNy=:RETURN                                    >QR
3230 DEF FNy=:RETURN                                    >QT
3240 DEF FNy=:RETURN                                    >QU
3250 DEF FNy=:RETURN                                    >QV
3260 DEF FNy=:RETURN                                    >QW
3270 DEF FNy=:RETURN                                    >QX
3280 DEF FNy=:RETURN                                    >QY
3290 DEF FNy=:RETURN                                    >QZ
3300 DEF FNy=:RETURN                                    >QQ
3310 DEF FNy=:RETURN                                    >QR
3320 DEF FNy=:RETURN                                    >QT
3330 DEF FNy=:RETURN                                    >QU
3340 DEF FNy=:RETURN                                    >QV
3350 DEF FNy=:RETURN                                    >QW
3360 DEF FNy=:RETURN                                    >QX
3370 DEF FNy=:RETURN                                    >QY
3380 DEF FNy=:RETURN                                    >QZ
3390 DEF FNy=:RETURN                                    >QA
3400 DEF FNy=:RETURN                                    >QR
3410 DEF FNy=:RETURN                                    >QT
3420 DEF FNy=:RETURN                                    >QU
3430 DEF FNy=:RETURN                                    >QV
3440 DEF FNy=:RETURN                                    >QW
3450 DEF FNy=:RETURN                                    >QX
3460 DEF FNy=:RETURN                                    >QY
3470 DEF FNy=:RETURN                                    >QZ
3480 DEF FNy=:RETURN                                    >QA
3490 DEF FNy=:RETURN                                    >QB
3500 DEF FNy=:RETURN                                    >QT
3510 DEF FNy=:RETURN                                    >QU
3520 DEF FNy=:RETURN                                    >QV
3530 DEF FNy=:RETURN                                    >QW
3540 DEF FNy=:RETURN                                    >QX
3550 DEF FNy=:RETURN                                    >QY
3560 DEF FNy=:RETURN                                    >QZ
3570 DEF FNy=:RETURN                                    >QA
3580 DEF FNy=:RETURN                                    >QB
```

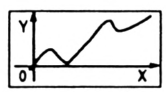


T - C 1 . B A S

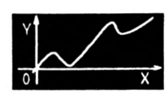
```
10 ' Chargeur Pour T-CPRE.BIN
20 ' Par Jouin Bertrand
30 '
40 adr=&7000:OPENOUT "GOLIOJUN.IOR":MEMORY adr-1:CLOSEOUT
50 FOR ligne=100 TO 890 STEP 10:FOR c=1 TO 16:READ a$:a=VAL("&"
+a$):POKE adr,a
60 somme=somme+a:adr=adr+1:NEXT c:READ a$:a=VAL("&"+a$):somme=V
AL("&"+RIGHT$(HEX$(somme),3))
70 IF somme<>a THEN 90
80 NEXT ligne:SAVE "T-CPRE.bin",b,&7000,1276:END
90 PRINT "Erreur en Ligne : ";ligne:END
100  DATA CD,C6,70,21,00,90,11,01,90,36,54,01,00,01,ED,B0,57F
110  DATA 3E,01,F3,2A,38,00,22,C4,70,21,FB,C9,22,38,00,FB,BA3
120  DATA C6,01,C2,2C,70,2A,C4,70,22,38,00,C9,FE,E0,C2,38,321
130  DATA 70,47,3E,FF,32,21,70,78,F5,11,00,90,83,5F,21,B5,99E
140  DATA 70,01,0F,00,ED,B0,06,F5,ED,78,1F,D2,46,70,06,7F,047
150  DATA 16,01,0E,00,21,00,90,76,F3,00,00,00,00,00,00,00,286
160  DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,286
170  DATA 00,00,00,00,00,00,00,7E,36,54,2C,ED,51,ED,79,00,65E
180  DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,65E
190  DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,65E
200  DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,0D,20,C7,752
210  DATA F1,FB,C3,20,70,44,44,55,55,46,57,5F,4B,5F,57,46,E06
220  DATA 55,55,44,44,00,00,21,72,71,06,E3,C5,E5,CD,FA,70,506
230  DATA E1,23,23,23,C1,10,F4,21,48,71,06,0E,C5,E5,CD,E9,C63
240  DATA 70,E1,23,23,23,C1,10,F4,C9,CD,06,B9,7E,23,46,23,341
250  DATA 4E,60,69,CD,D3,BD,CD,09,B9,C9,56,23,5E,23,7E,F5,B7A
260  DATA 62,6B,CD,1A,BC,F1,E5,21,1B,74,11,10,00,B7,ED,52,287
270  DATA 3C,19,3D,C2,11,71,54,5D,E1,06,08,0E,02,CD,21,71,76C
280  DATA C9,79,32,33,71,ED,44,32,39,71,1A,77,13,23,0D,C2,D27
290  DATA 2A,71,0E,00,ED,53,43,71,11,00,07,19,30,04,11,50,08A
300  DATA C0,19,11,00,00,10,E3,C9,56,34,13,32,36,13,2E,37,4AD
310  DATA 13,30,38,13,50,2E,16,61,2F,16,72,30,16,42,32,16,7B7
320  DATA 2E,33,16,4A,35,16,4F,36,16,55,37,16,49,38,16,4E,AE5
330  DATA 39,16,0C,04,0D,0E,04,08,10,04,08,12,04,08,14,04,BBD
340  DATA 0B,16,04,09,18,04,00,1A,04,08,1C,04,08,1E,04,08,C7F
350  DATA 20,04,02,22,04,09,24,04,00,26,04,08,28,04,08,2A,D8C
360  DATA 04,08,2C,04,02,2E,04,09,30,04,00,32,04,08,34,04,EAF
370  DATA 08,36,04,08,38,04,0B,3A,04,09,3C,04,00,3E,04,08,011
380  DATA 40,04,08,42,04,08,44,04,0B,46,04,09,0C,05,09,0E,179
390  DATA 05,06,10,05,08,12,05,04,14,05,09,16,05,09,18,05,21F
400  DATA 08,1A,05,04,1C,05,09,1E,05,06,20,05,08,22,05,09,2FA
410  DATA 24,05,08,26,05,04,28,05,09,2A,05,06,2C,05,08,2E,42C
420  DATA 05,09,30,05,08,32,05,04,34,05,09,36,05,09,38,05,575
430  DATA 09,3A,05,09,3C,05,08,3E,05,04,40,05,09,42,05,09,6F4
440  DATA 44,05,09,46,05,09,0C,06,09,0E,06,09,10,06,08,12,802
450  DATA 06,09,14,06,09,16,06,09,18,06,08,1A,06,05,1C,06,8C6
460  DATA 09,1E,06,07,20,06,08,22,06,09,24,06,08,26,06,05,9BC
470  DATA 28,06,09,2A,06,07,2C,06,08,2E,06,09,30,06,08,32,B11
480  DATA 06,09,34,06,09,36,06,09,38,06,09,3A,06,09,3C,06,C7A
490  DATA 08,3E,06,05,40,06,09,42,06,09,44,06,09,46,06,09,E13
500  DATA 0C,07,09,0E,07,09,10,07,08,12,07,09,14,07,09,16,EC8
510  DATA 07,09,18,07,08,1A,07,08,1C,07,08,1E,07,08,20,07,FA7
520  DATA 03,22,07,09,24,07,08,26,07,08,28,07,08,2A,07,08,0B4
530  DATA 2C,07,08,2E,07,09,30,07,08,32,07,09,34,07,09,36,228
540  DATA 07,09,38,07,09,3A,07,09,3C,07,08,3E,07,08,40,07,3A9
550  DATA 08,42,07,0B,44,07,09,46,07,09,0C,08,09,0E,08,09,4EB
560  DATA 10,08,08,12,08,09,14,08,09,16,08,09,18,08,08,1A,5BC
570  DATA 08,08,1C,08,08,1E,08,08,20,08,02,22,08,09,24,08,6AF
580  DATA 08,26,08,08,28,08,08,2A,08,08,2C,08,08,2E,08,09,7DA
590  DATA 30,08,08,32,08,09,34,08,09,36,08,09,38,08,09,3A,96C
600  DATA 08,09,3C,08,08,3E,08,04,40,08,09,42,08,09,44,08,B03
610  DATA 09,46,08,09,0C,09,09,0E,09,09,10,09,08,12,09,09,BE6
620  DATA 14,09,09,16,09,09,18,09,08,1A,09,04,1C,09,09,1E,CD0
630  DATA 09,06,20,09,08,22,09,09,24,09,08,26,09,04,28,09,DDD
640  DATA 09,2A,09,06,2C,09,08,2E,09,09,30,09,08,32,09,05,F1D
650  DATA 34,09,09,36,09,09,38,09,09,3A,09,09,3C,09,08,3E,0CC
660  DATA 09,05,40,09,09,42,09,09,44,09,09,46,09,09,0C,0A,244
670  DATA 09,0E,0A,09,10,0A,0A,12,0A,09,14,0A,09,16,0A,09,307
680  DATA 18,0A,0A,1A,0A,09,1C,0A,09,1E,0A,09,20,0A,0A,22,416
690  DATA 0A,09,24,0A,0A,26,0A,09,28,0A,09,2A,0A,09,2C,0A,548
700  DATA 0A,2E,0A,09,30,0A,01,32,0A,08,34,0A,08,36,0A,08,6A0
710  DATA 38,0A,0B,3A,0A,09,3C,0A,01,3E,0A,08,40,0A,08,42,865
720  DATA 0A,08,44,0A,0B,46,0A,09,24,0D,00,26,0D,08,28,0D,9CA
730  DATA 08,2A,0D,08,2C,0D,0B,24,0E,08,26,0E,04,24,0F,08,B02
740  DATA 24,10,08,24,11,08,24,12,08,26,12,05,24,13,01,26,C54
750  DATA 13,08,28,13,08,2A,13,08,2C,13,0B,00,3F,03,FF,0F,E91
760  DATA FF,3F,FF,3F,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,D01
770  DATA FF,3F,FF,3F,FF,0F,FF,03,FF,00,3F,FC,00,FF,C0,FF,685
780  DATA F0,FF,FC,FF,FC,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,660
790  DATA FF,FF,FC,FF,FC,FF,F0,FF,C0,FC,00,FF,C0,FC,00,F0,3AA
800  DATA 00,C0,00,C0,00,00,00,00,00,00,00,00,00,00,00,00,52A
810  DATA 00,C0,00,C0,00,F0,00,FC,00,FF,C0,03,FF,00,3F,00,B96
820  DATA 0F,00,03,00,03,00,00,00,00,00,00,00,00,00,00,00,BAB
830  DATA 00,00,03,00,03,00,0F,00,3F,03,FF,FF,FF,FF,FF,FF,1FC
840  DATA FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,FF,00,00,00,00,00,CF1
850  DATA 00,00,00,00,00,00,00,00,00,00,00,FF,FF,FF,FF,FF,1EC
860  DATA FF,FF,FF,FF,FF,FF,FF,3F,FC,03,C0,F0,00,FC,00,FF,DCE
870  DATA 00,FF,00,FF,00,FF,00,FC,00,F0,00,00,00,00,00,00,2B7
880  DATA 00,00,00,03,C0,3F,FC,FF,FF,FF,FF,00,0F,00,3F,00,8FF
890  DATA FF,00,FF,00,FF,00,FF,00,3F,00,0F,00,00,00,00,00,D49
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T - C 2 . B A S

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10 ' Chargeur Pour T-CMENU.BIN
20 ' Par Jouin Bertrand
30 '
40 adr=&7000:OPENOUT "GOLIOJUN.IOR":MEMORY adr-1:CLOSEOUT
50 FOR ligne=100 TO 2400 STEP 10:FOR c=1 TO 16:READ a$:a=VAL("&
"+a$):POKE adr,a
60 somme=somme+a:adr=adr+1:NEXT c:READ a$:a=VAL("&"+a$):somme=V
AL("&"+RIGHT$(HEX$(somme),3))
70 IF somme<>a THEN 90
80 NEXT ligne:SAVE "T-CMENU.BIN",b,&7000,3682:END
90 PRINT "Erreur en Ligne : ";ligne:END
100  DATA F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F4B
110  DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F1,F6,E98
120  DATA 20,45,78,7B,63,75,74,69,6F,6E,20,64,65,20,6C,61,458
130  DATA 20,66,6F,6E,63,74,69,6F,6E,20,20,20,20,F7,F6,20,A65
140  DATA 49,6E,74,72,6F,64,75,63,74,69,6F,6E,20,64,65,20,070
150  DATA 6C,61,20,66,6F,6E,63,74,69,6F,6E,20,F7,F6,20,49,733
160  DATA 6D,70,72,65,73,73,69,6F,6E,20,64,65,20,6C,61,20,D09
170  DATA 66,6F,6E,63,74,69,6F,6E,20,20,20,F7,F6,20,45,6E,389
180  DATA 73,65,6D,62,6C,65,20,64,65,20,64,7B,66,69,6E,69,98F
190  DATA 74,69,6F,6E,20,20,20,20,20,20,F7,F6,20,4F,70,74,F49
200  DATA 69,6F,6E,73,20,20,20,20,20,20,20,20,20,20,20,20,282
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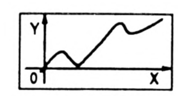
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210 DATA 20,20,20,20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,767
220 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,D57
230 DATA 5F,5F,5F,5F,5F,5F,5F,5F,F2,F0,F5,F5,F5,F5,F5,F5,7EF
240 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,73F
250 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,68F
260 DATA F5,F1,F6,20,45,63,72,61,6E,20,64,65,20,63,6F,6F,DBE
270 DATA 72,64,6F,6E,6E,7B,65,73,20,72,65,63,74,61,6E,67,436
280 DATA 75,6C,61,69,72,65,73,20,31,20,F7,F6,20,45,63,72,AC3
290 DATA 61,6E,20,64,65,20,63,6F,6F,72,64,6F,6E,6E,7B,65,0DD
300 DATA 73,20,72,65,63,74,61,6E,67,75,6C,61,69,72,65,73,749
310 DATA 20,32,20,F7,F6,20,45,63,72,61,6E,20,64,65,20,63,D1D
320 DATA 6F,6F,72,64,6F,6E,6E,7B,65,73,20,70,6F,6C,61,69,3A4
330 DATA 72,65,73,20,31,20,20,20,20,20,20,20,F7,F6,20,45,871
340 DATA 63,72,61,6E,20,64,65,20,63,6F,6F,72,64,6F,6E,6E,E80
350 DATA 7B,65,73,20,70,6F,6C,61,69,72,65,73,20,32,20,20,3E4
360 DATA 20,20,20,20,20,F7,F6,20,46,49,4E,20,20,20,20,20,80E
370 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,A0E
380 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F3,DB8
390 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,3A8
400 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,998
410 DATA 5F,5F,5F,5F,5F,5F,5F,F2,00,F0,F5,F5,F5,F5,F5,F5,3D1
420 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,321
430 DATA F5,F5,F5,F5,F5,F5,F1,F6,20,58,20,4D,69,6E,69,6D,D58
440 DATA 75,6D,2E,2E,2E,2E,3A,20,20,20,20,20,20,20,20,20,04C
450 DATA 20,20,20,20,F7,F6,20,58,20,4D,61,78,69,6D,75,6D,62F
460 DATA 2E,2E,2E,2E,3A,20,20,20,20,20,20,20,20,20,20,20,881
470 DATA 20,20,F7,F6,20,47,72,61,64,75,61,74,69,6F,6E,20,EFC
480 DATA 58,2E,3A,20,20,20,20,20,20,20,20,20,20,20,20,20,15C
490 DATA F7,F6,20,59,20,4D,69,6E,69,6D,75,6D,2E,2E,2E,2E,776
500 DATA 3A,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,B3D
510 DATA 20,59,20,4D,61,78,69,6D,75,6D,2E,2E,2E,2E,3A,20,FC6
520 DATA 20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,47,39A
530 DATA 72,61,64,75,61,74,69,6F,6E,20,59,2E,3A,20,20,20,8A2
540 DATA 20,20,20,20,20,20,20,20,20,20,F7,F6,20,46,49,4E,CCC
550 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,ECC
560 DATA 20,20,20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,3F0
570 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,9E0
580 DATA 5F,5F,5F,5F,5F,5F,F2,00,F0,F5,F5,F5,F5,F5,F5,F5,4AF
590 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,3FF
600 DATA F5,F5,F5,F5,F5,F1,F6,20,58,20,4D,69,6E,69,6D,75,DB6
610 DATA 6D,2E,2E,2E,2E,3A,20,20,20,20,20,20,20,20,20,20,055
620 DATA 20,20,20,F7,F6,20,58,20,4D,61,78,69,6D,75,6D,2E,646
630 DATA 2E,2E,2E,3A,20,20,20,20,20,20,20,20,20,20,20,20,88A
640 DATA 20,F7,F6,20,47,72,61,64,75,61,74,69,6F,6E,20,58,F3D
650 DATA 2E,3A,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,23C
660 DATA F6,20,59,20,4D,69,6E,69,6D,75,6D,2E,2E,2E,2E,3A,799
670 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,B46
680 DATA 59,20,4D,61,78,69,6D,75,6D,2E,2E,2E,2E,3A,20,20,FCF
690 DATA 20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,47,72,3F5
700 DATA 61,64,75,61,74,69,6F,6E,20,59,2E,3A,20,20,20,20,8AB
710 DATA 20,20,20,20,20,20,20,20,20,F7,F6,20,41,6E,67,6C,D5A
720 DATA 65,20,44,7B,62,75,74,2E,2E,3A,20,20,20,20,20,20,13F
730 DATA 20,20,20,20,20,20,20,F7,F6,20,41,6E,67,6C,65,20,633
740 DATA 46,69,6E,2E,2E,2E,2E,3A,20,20,20,20,20,20,20,20,942
750 DATA 20,20,20,20,20,F7,F6,20,46,49,4E,20,20,20,20,20,D6C
760 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F6C
770 DATA 20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5CB
780 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,BBB
790 DATA 5F,F2,00,F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,978
800 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,8C8
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820 DATA 2E,2E,2E,2E,2E,2E,3A,20,20,20,20,20,20,20,20,20,394
830 DATA 20,20,20,20,F7,F6,20,46,61,63,74,65,75,72,20,64,96F
840 DATA 65,20,5A,6F,6F,6D,2E,3A,20,20,20,20,20,20,20,20,D01
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870 DATA 20,20,20,20,20,20,F7,F6,20,50,6F,69,6E,74,2E,2E,9E4
880 DATA 2E,2E,2E,2E,2E,2E,2E,2E,2E,3A,20,20,20,20,20,20,C7C
890 DATA 20,20,20,20,20,20,20,F7,F6,20,49,6E,66,6F,73,2E,196
900 DATA 2E,2E,2E,2E,2E,2E,2E,2E,2E,2E,3A,20,20,20,20,20,43C
910 DATA 20,20,20,20,20,20,20,20,F7,F6,20,50,61,73,20,49,8D6
920 DATA 6E,66,6F,73,2E,2E,2E,2E,2E,2E,2E,3A,20,20,20,20,C88
930 DATA 20,20,20,20,20,20,20,20,20,F7,F6,20,46,49,4E,20,0B2
940 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,2B2
950 DATA 20,20,20,20,20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,758
960 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,D48
970 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,F2,F6,F0,F5,F5,61F
980 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,56F
990 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,4BF
1000 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F1,F6,20,44,65,6E,73,0ED
1010 DATA 69,74,7B,20,51,75,61,64,72,75,70,6C,65,20,28,37,697
1020 DATA 30,20,58,20,31,34,35,29,20,20,20,20,20,20,20,20,922
1030 DATA 20,20,20,20,20,20,F7,F6,20,44,65,6E,73,69,74,7B,ED1
1040 DATA 20,44,6F,75,62,6C,65,20,44,6F,75,62,6C,65,20,56,43D
1050 DATA 69,74,65,73,73,65,20,28,31,33,35,20,58,20,31,33,8A7
1060 DATA 30,29,20,F7,F6,20,44,65,6E,73,69,74,7B,20,44,6F,EE2
1070 DATA 75,62,6C,65,20,28,31,33,35,20,58,20,31,34,35,29,2C6
1080 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,4C6
1090 DATA F7,F6,20,47,72,61,70,68,69,71,75,65,20,43,52,54,B82
1100 DATA 20,28,31,38,30,20,58,20,32,33,30,29,20,20,20,20,E39
1110 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,1E6
1120 DATA 47,72,61,70,68,69,71,75,65,20,43,52,54,20,28,32,70F
1130 DATA 30,35,20,58,20,32,38,35,29,20,20,20,20,20,20,20,9B4
1140 DATA 20,20,20,20,20,20,20,20,20,20,F7,F6,20,46,49,4E,DDE
1150 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,FDE
1160 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,1DE
1170 DATA 20,20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,5F,741
1180 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,D31
1190 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,321
1200 DATA 5F,5F,5F,5F,F2,00,F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F1C
1210 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,E6C
1220 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,DBC
1230 DATA F5,F5,F5,F5,F5,F5,F5,F1,F6,20,20,46,28,78,29,3D,7E2
1240 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,9E2
1250 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,BE2
1260 DATA 20,20,20,20,20,20,20,20,20,F7,F6,20,20,46,28,78,015
1270 DATA 29,3D,20,20,20,20,20,20,20,20,20,20,20,20,20,20,23B
1280 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,43B
1290 DATA 20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,20,46,80E
1300 DATA 28,78,29,3D,20,20,20,20,20,20,20,20,20,20,20,20,A94
1310 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,C94
1320 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,041
1330 DATA 20,46,28,78,29,3D,20,20,20,20,20,20,20,20,20,20,2ED
1340 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,4ED
1350 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,7C4
1360 DATA F6,20,20,46,28,78,29,3D,20,20,20,20,20,20,20,20,B46
1370 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,D46
1380 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F46
```




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1390 DATA 20,F7,F6,20,20,46,28,78,29,3D,20,20,20,20,20,20,39F
1400 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,59F
1410 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,79F
1420 DATA 20,20,20,F7,F6,20,20,46,28,78,29,3D,20,20,20,20,BF8
1430 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,DF8
1440 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,FF8
1450 DATA 20,20,20,20,20,F7,F6,20,20,46,28,78,29,3D,20,20,451
1460 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,651
1470 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,851
1480 DATA 20,20,20,20,20,20,20,F7,F6,20,20,46,28,78,29,3D,CAA
1490 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,EAA
1500 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,0AA
1510 DATA 20,20,20,20,20,20,20,20,20,F7,F6,20,20,46,28,78,4DD
1520 DATA 29,3D,20,20,20,20,20,20,20,20,20,20,20,20,20,20,703
1530 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,903
1540 DATA 20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,46,49,CFF
1550 DATA 4E,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F2D
1560 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,12D
1570 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F3,5F,516
1580 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,B06
1590 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,0F6
1600 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,F2,779
1610 DATA 00,F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,5CF
1620 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,51F
1630 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,46F
1640 DATA F5,F5,F1,F6,20,20,46,28,74,29,3D,20,20,20,20,20,A68
1650 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,C68
1660 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,E68
1670 DATA 20,20,20,20,F7,F6,20,20,46,28,74,29,3D,20,20,20,2BD
1680 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,4BD
1690 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,6BD
1700 DATA 20,20,20,20,20,20,F7,F6,20,20,46,28,74,29,3D,20,B12
1710 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,D12
1720 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F12
1730 DATA 20,20,20,20,20,20,20,20,F7,F6,20,20,46,28,74,29,34A
1740 DATA 3D,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,567
1750 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,767
1760 DATA 20,20,20,20,20,20,20,20,20,20,F7,F6,20,20,46,28,B42
1770 DATA 74,29,3D,20,20,20,20,20,20,20,20,20,20,20,20,20,DBC
1780 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,FBC
1790 DATA 20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,20,369
1800 DATA 46,28,74,29,3D,20,20,20,20,20,20,20,20,20,20,20,611
1810 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,811
1820 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F6,BBE
1830 DATA 20,20,46,28,74,29,3D,20,20,20,20,20,20,20,20,20,E66
1840 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,066
1850 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,266
1860 DATA F7,F6,20,20,46,28,74,29,3D,20,20,20,20,20,20,20,6BB
1870 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,8BB
1880 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,ABB
1890 DATA 20,20,F7,F6,20,20,46,28,74,29,3D,20,20,20,20,20,F10
1900 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,110
1910 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,310
1920 DATA 20,20,20,20,F7,F6,20,20,46,28,74,29,3D,20,20,20,765
1930 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,965
1940 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,B65
1950 DATA 20,20,20,20,20,20,F7,F6,20,46,49,4E,20,20,20,20,F8F
1960 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,18F
1970 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,38F
1980 DATA 20,20,20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,8B3
1990 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,EA3
2000 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,493
2010 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,F2,00,F0,F5,F5,F5,D0A
2020 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,C5A
2030 DATA F5,F1,F6,20,49,6D,70,72,69,6D,61,6E,74,65,20,70,3FC
2040 DATA 72,65,74,65,20,3F,20,F7,F3,5F,5F,5F,5F,5F,5F,5F,AAE
2050 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,F2,00,F0,163
2060 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,0B3
2070 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F1,F6,20,FB,20,44,7B,D31
2080 DATA 70,6C,61,63,65,6D,65,6E,74,20,64,75,20,72,65,70,34A
2090 DATA 7D,72,65,20,F7,F6,20,FC,20,44,7B,70,6C,61,63,65,AAB
2100 DATA 6D,65,6E,74,20,64,75,20,72,65,70,7D,72,65,20,F7,12A
2110 DATA F6,20,FD,20,44,7B,70,6C,61,63,65,6D,65,6E,74,20,7F5
2120 DATA 64,75,20,72,65,70,7D,72,65,20,F7,F6,20,FE,20,44,F18
2130 DATA 7B,70,6C,61,63,65,6D,65,6E,74,20,64,75,20,72,65,53C
2140 DATA 70,7D,72,65,20,F7,F6,20,2D,2C,20,2B,20,3A,20,5A,AA5
2150 DATA 6F,6F,6D,20,20,20,20,20,20,20,20,20,20,20,20,20,D90
2160 DATA F7,F6,20,50,20,3A,20,50,6F,69,6E,74,20,20,20,20,2F1
2170 DATA 20,20,20,20,20,20,20,20,20,20,20,F7,F6,20,5A,20,6D8
2180 DATA 3A,20,5A,6F,6F,6D,20,42,6F,69,74,65,20,20,20,20,B6A
2190 DATA 20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,5F,5F,10C
2200 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,6FC
2210 DATA 5F,F2,00,F0,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,4B9
2220 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,409
2230 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,359
2240 DATA F5,F5,F5,F5,F1,F6,20,20,46,28,78,29,3D,20,20,20,B00
2250 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,D00
2260 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,F00
2270 DATA 20,20,20,20,20,20,F7,F3,5F,5F,5F,5F,5F,5F,5F,5F,4A2
2280 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,A92
2290 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,082
2300 DATA 5F,5F,5F,5F,5F,5F,5F,5F,F2,00,F0,F5,F5,F5,F5,F5,A25
2310 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,975
2320 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,8C5
2330 DATA F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F5,F1,F6,20,20,46,5B9
2340 DATA 28,74,29,3D,20,20,20,20,20,20,20,20,20,20,20,20,83B
2350 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,20,A3B
2360 DATA 20,20,20,20,20,20,20,20,20,20,20,20,20,F7,F3,5F,E24
2370 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,414
2380 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,A04
2390 DATA 5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,5F,F2,087
2400 DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,087
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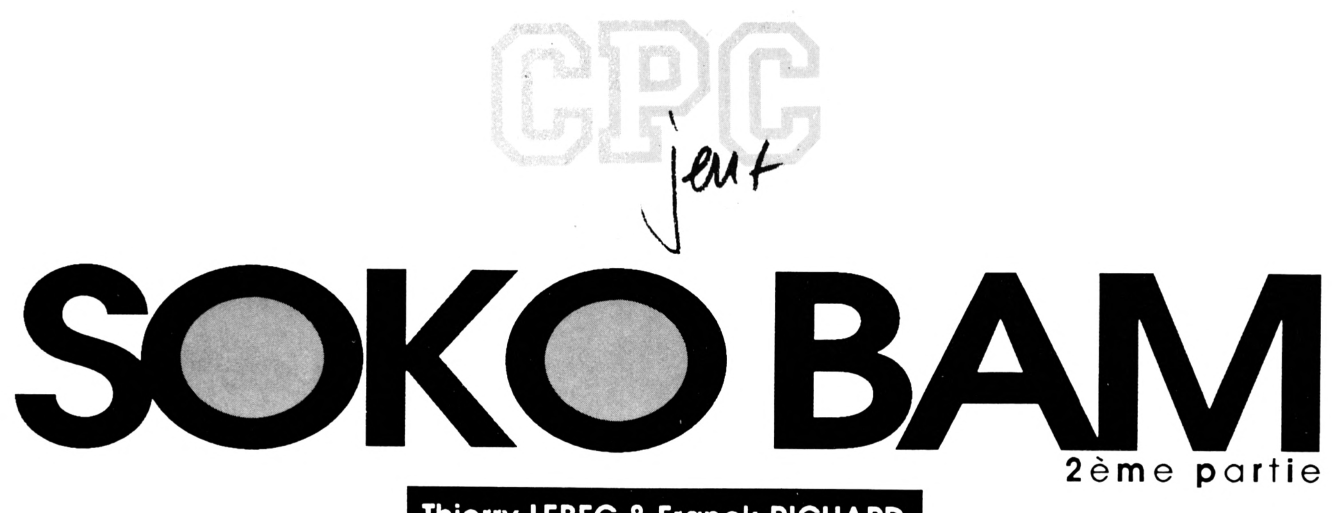

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10 ' Chargeur pour T-CRSX.BIN
20 ' Par Jouin Bertrand
30 '
40 adr=&8000:OPENOUT "GOLIOJUN.IOR":MEMORY &7000:CLOSEOUT
50 FOR ligne=100 TO 760 STEP 10:FOR c=1 TO 16:READ a$:a=VAL("&"+a$):POKE adr,a
60 somme=somme+a:adr=adr+1:NEXT c:READ a$:a=VAL("&"+a$):somme=VAL("&"+RIGHT$(HEX$(somme),3))
70 IF somme<>a THEN 90
80 NEXT ligne:SAVE "T-CRSX.BIN",b,&8000,&430:END
90 PRINT "Erreur en Ligne : ";ligne:END
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100  DATA 01,BD,80,21,1C,80,CD,D1,BC,01,95,81,21,20,80,CD,6FA
110  DATA D1,BC,01,2D,82,21,28,80,CD,D1,BC,C9,00,00,00,00,D23
120  DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,D23
130  DATA 00,00,00,00,00,00,00,00,00,00,00,00,53,61,6C,75,EB8
140  DATA 74,20,61,75,78,20,50,65,74,69,74,73,20,64,7B,70,4A2
150  DATA 6C,6F,6D,62,65,75,72,73,21,21,20,41,64,72,65,73,A5C
160  DATA 73,65,20,3A,20,4A,6F,75,69,6E,20,42,65,72,74,72,FD2
170  DATA 61,6E,64,20,41,6C,69,61,73,20,47,4F,4C,49,4F,20,4C9
180  DATA 4A,55,4E,49,4F,52,2C,20,4C,61,20,4A,61,72,64,69,9A3
190  DATA 7B,72,65,2C,20,33,35,32,35,30,20,4D,4F,55,41,5A,DEC
200  DATA 45,2C,20,46,52,41,4E,43,45,2E,20,42,6F,6E,6E,65,26C
210  DATA 73,20,43,6F,75,72,62,65,73,20,21,21,20,C2,80,C3,859
220  DATA C8,80,50,52,49,4E,D4,00,FE,02,C0,DD,7E,00,32,53,F4E
230  DATA 81,DD,7E,02,32,73,81,CD,5D,81,3E,1B,CD,82,81,3E,664
240  DATA 33,CD,82,81,3E,15,CD,82,81,CD,BA,BB,CD,E7,BB,32,F6D
250  DATA 3A,81,21,8F,01,CD,68,81,CD,1A,81,3E,0A,CD,82,81,60F
260  DATA 3E,0D,CD,82,81,7C,FE,FF,CA,16,81,FE,00,C2,F5,80,F39
270  DATA 7D,FE,00,C2,F5,80,CD,5D,81,C9,11,00,00,22,21,81,634
280  DATA 21,00,00,D5,CD,39,81,CD,82,81,D1,13,7A,FE,02,C2,DA1
290  DATA 20,81,7B,FE,7F,C2,20,81,C9,0E,00,06,00,3E,07,32,2F1
300  DATA 56,81,E5,D5,C5,CD,F0,BB,C1,B9,37,C2,4F,81,A7,CB,D74
310  DATA 10,D1,E1,00,2B,3E,00,3D,C2,3F,81,78,C9,3E,1B,CD,3C5
320  DATA 82,81,3E,40,CD,82,81,C9,3E,1B,CD,82,81,3E,2A,CD,B3D
330  DATA 82,81,3E,01,CD,82,81,3E,7F,CD,82,81,3E,02,CD,82,26B
340  DATA 81,C9,CD,2E,BD,38,FB,CD,2B,BD,C9,01,95,81,21,1C,A72
350  DATA 80,CD,D1,BC,C9,9D,81,C3,AB,81,C3,CF,81,43,48,41,401
360  DATA 52,47,45,D2,53,41,55,56,45,D2,00,FE,01,C0,DD,7E,B21
370  DATA 00,E6,03,F3,CD,F3,81,21,00,40,11,00,C0,01,00,40,0B1
380  DATA 00,00,ED,B0,00,00,00,00,00,00,CD,FF,81,FB,C9,FE,75D
390  DATA 01,C0,DD,7E,00,E6,03,F3,CD,F3,81,21,00,C0,11,00,E88
400  DATA 40,01,FF,3F,ED,B0,00,00,00,00,00,00,00,00,CD,FF,370
410  DATA 81,FB,C9,C5,06,C4,E6,03,80,06,7F,ED,79,C1,C9,C5,CE7
420  DATA 01,C0,7F,ED,49,C1,C9,01,2D,82,21,1C,80,CD,D1,BC,4AE
430  DATA 01,3B,82,21,20,80,CD,D1,BC,C9,01,40,82,21,24,80,AD8
440  DATA CD,D1,BC,01,45,82,21,28,80,CD,D1,BC,C9,4A,82,C3,375
450  DATA 62,82,C3,CB,82,C3,5D,83,C3,A4,83,4F,82,C3,CB,82,CD7
460  DATA 55,82,C3,5D,83,5B,82,C3,A4,83,43,52,45,45,D2,4F,458
470  DATA 55,56,52,49,D2,46,45,52,4D,45,D2,49,4E,56,45,52,A35
480  DATA D4,00,FE,06,C0,DD,66,08,25,DD,6E,06,2D,DD,5E,00,0F6
490  DATA DD,56,01,DD,46,02,DD,4E,04,DD,7E,0A,E6,1F,C5,D5,882
500  DATA E5,21,00,88,11,04,00,CD,CD,83,E1,D1,C1,DD,70,00,002
510  DATA DD,71,01,DD,72,02,DD,73,03,79,32,B8,82,7C,32,BA,742
520  DATA 82,CD,06,B9,C5,D5,E5,CD,D6,BD,E1,D1,C1,D2,C2,82,2B8
530  DATA 12,13,24,0D,C2,A4,82,0E,00,26,00,2C,10,E6,CD,09,722
540  DATA B9,C9,CD,09,B9,3E,07,CD,5A,BB,C9,FE,04,C0,DD,66,028
550  DATA 04,25,DD,6E,02,2D,DD,5E,00,DD,56,01,DD,7E,06,E6,681
560  DATA 1F,E5,D5,E5,F5,21,00,88,11,04,00,CD,CD,83,F1,DD,EDD
570  DATA E5,FD,E1,21,80,89,11,06,00,CD,CD,83,E1,CD,1A,BC,782
580  DATA DD,74,01,DD,75,02,DD,36,00,01,D1,DD,72,03,DD,73,EAF
590  DATA 04,3E,00,FD,4E,01,81,10,FD,4F,DD,71,05,FD,7E,00,4E8
600  DATA CB,27,CB,27,CB,27,47,CD,DA,83,FD,56,02,FD,5E,03,CE2
610  DATA FD,46,00,FD,4E,01,E1,79,32,53,83,7C,32,55,83,CD,426
620  DATA 06,B9,C5,D5,E5,1A,CD,D3,BD,E1,D1,C1,13,24,0D,C2,D54
630  DATA 42,83,0E,00,26,00,2C,10,E9,CD,09,B9,C9,FE,01,C0,389
640  DATA DD,7E,00,E6,1F,F5,21,00,88,11,04,00,CD,CD,83,F1,AAA
650  DATA DD,E5,FD,E1,21,80,89,11,06,00,CD,CD,83,DD,7E,00,303
660  DATA FE,01,C0,DD,36,00,00,DD,4E,05,DD,5E,04,DD,56,03,97A
670  DATA DD,6E,02,DD,66,01,FD,7E,00,CB,27,CB,27,CB,27,47,0A3
680  DATA CD,00,84,C9,FE,03,C0,DD,66,04,25,DD,6E,02,2D,DD,841
690  DATA 56,00,3E,00,CD,2C,BC,47,3E,01,CD,2C,BC,4F,D5,C5,EAE
700  DATA E5,CD,4A,BC,E1,24,C1,D1,15,C2,BE,83,C9,B7,ED,52,8D4
710  DATA 3C,19,3D,C2,D1,83,E5,DD,E1,C9,79,32,EB,83,ED,44,232
720  DATA 32,F1,83,7E,12,13,23,0D,20,F9,0E,00,ED,53,FB,83,890
730  DATA 11,00,07,19,30,04,11,50,C0,19,11,00,00,10,E4,C9,BFD
740  DATA 79,32,11,84,ED,44,32,17,84,1A,77,13,23,0D,20,F9,128
750  DATA 0E,00,ED,53,21,84,11,00,07,19,30,04,11,50,C0,19,4BA
760  DATA 11,00,00,10,E4,C9,00,00,00,00,00,00,00,00,00,00,688
```

T-C4.BAS

```
10 ' Chargeur Pour T-CTABLE.BIN
20 ' Par Jouin Bertrand
30 '
40 adr=&C000:MODE 2:INK 0,0:INK 1,26:BORDER 0
50 FOR ligne=100 TO 130 STEP 10:FOR c=1 TO 16:READ a$:a=VAL("&"
+a$):POKE adr,a
60 somme=somme+a:adr=adr+1:NEXT c:READ a$:a=VAL("&"+a$):somme=V
AL("&"+RIGHT$(HEX$(somme),3))
70 IF somme<>a THEN 90
80 NEXT ligne:SAVE "T-CTABLE.BIN",b,&C000,50:END
90 PRINT "Erreur en Ligne : ";ligne:END
100  DATA 07,1F,70,00,07,29,70,D9,09,1E,71,F9,0B,1E,73,08,444
110  DATA 09,21,74,53,08,2D,75,7D,0D,32,76,E6,0D,32,79,71,920
120  DATA 03,16,7B,FC,09,1B,7C,3F,03,32,7D,33,03,32,7D,CA,DF0
130  DATA 00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,00,DF0
```



SOKO BAM

2ème partie

Thierry LEBEC & Franck RICHARD

Valable pour CPC 464 – 664 – 6128

Pour obtenir de beaux et bons programmes, il faut parfois de nombreuses lignes de datas. Avec la suite de ce jeu de réflexion (voir numéro précédent) vous n'allez pas être déçu puisque l'épisode suivant n'aura lieu que dans deux mois. En attendant, allez voir la rubrique P.A.K. de ce numéro, vous y trouverez un petit programme assez pratique.

DATA2.BAS

```
10 MODE 2:MEMORY &7FFF:L=50:AD=&8000:FOR I=1 TO &205
20 T=0:FOR J=1 TO 8:READ C$:A$=LEFT$(C$,2):B$=RIGHT$(C$,2):A=VA
L("&"+A$):POKE AD,A:T=T XOR A:AD=AD+1:A=VAL("&"+B$):POKE AD,A:T
=T XOR A:AD=AD+1:NEXT
30 READ A$:A=VAL("&"+A$):IF T<>A THEN PRINT"ERREUR EN LIGNE";L:
END ELSE LOCATE 1,1:PRINT"LIGNE";L;"OK
40 L=L+10:NEXT:PRINT"PROGRAMME OK!":CALL &BB18:SAVE"SOK.002",B,
&8000,&2046
50 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
60 DATA 0077,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,77
70 DATA 8800,0000,0000,0000,0000,0000,0000,0000,88
80 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
90 DATA 0000,0000,74F0,F0F0,F0F0,F0F0,F0F0,F0F0,84
100 DATA F0F0,F008,0000,0000,0000,0000,0000,0000,F8
110 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
120 DATA 0000,0000,0000,0074,F0F0,F0F0,F0F0,F0F0,74
130 DATA F0F0,F0F0,F0F0,0800,0000,0000,0000,0000,08
140 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
150 DATA 0000,0000,0000,0000,0000,740F,0F0F,0F0F,7B
160 DATA 0F0F,0F0F,0F0F,0F0F,3C08,0000,0000,0000,34
170 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
180 DATA 0000,0000,0000,0000,0000,0000,0074,0800,7C
190 DATA 0000,0000,0000,0000,0000,0074,0800,0000,7C
200 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
210 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
220 DATA 7408,0000,0000,0000,0000,0000,0000,7408,00
230 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
240 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
250 DATA 0000,0074,090F,0F0F,0F0F,0F0F,0F0F,0F0F,72
260 DATA 0E74,0800,0000,0000,0000,0000,0000,0000,72
270 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
280 DATA 0000,0000,0000,7409,0F0F,0F0F,0F0F,0F0F,7D
290 DATA 0F0F,0F0E,7408,0000,0000,0000,0000,0000,7D
300 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
310 DATA 0000,0000,0000,0000,0074,090F,0F0F,0F0F,72
320 DATA 0F0F,0F0F,0F0F,0E74,0800,0000,0000,0000,72
330 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
340 DATA 0000,0000,0000,0000,0000,0000,7409,0F0F,7D
350 DATA 0F0F,0F0F,0F0F,0F0F,0F0E,7408,0000,0000,7D
360 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
370 DATA 0000,0000,0000,0000,0000,0000,0000,0074,74
380 DATA 090F,0F0F,0F0F,0F0F,0F0F,0F0F,0E74,0800,74
390 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
400 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
410 DATA 0000,7409,0F0F,0D0F,0F0F,0F0F,0F09,0F0E,78
420 DATA 7408,0000,0000,0000,0000,0000,0000,0000,7C
430 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
440 DATA 0000,0000,0074,090F,0F0C,0F0F,0F0F,0F0F,71
450 DATA 080F,0E74,0800,0000,0000,0000,0000,0000,75
460 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
470 DATA 0000,0000,0000,0000,7409,0F0F,0007,0F0F,7A
480 DATA 0F0F,0F00,070E,7408,0000,0000,0000,0000,7A
490 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
```



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500 DATA 0000,0000,0000,0000,0000,0074,090F,0F08,75
510 DATA 0F0F,0F0F,0F0F,0C07,0E74,0800,0000,0000,79
520 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
530 DATA 0000,0000,0000,0000,0000,0000,0000,7409,7D
540 DATA 0F0F,030F,0800,0F0F,0F0C,0F0E,7408,0000,7A
550 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
560 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
570 DATA 0074,090F,0E07,0E00,0003,0F0F,0C0F,0E74,0F
580 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
590 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
600 DATA 0000,0000,7409,0F0C,0F08,0000,000F,0F09,70
610 DATA 0F0E,7408,0000,0000,0000,0000,0000,0000,7D
620 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
630 DATA 0000,0000,0000,0074,090F,0C07,0000,0000,79
640 DATA 070F,090F,0E74,0800,0000,0000,0000,0000,7C
650 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
660 DATA 0000,0000,0000,0000,0000,7409,0F0F,0200,7F
670 DATA CC66,0003,0F01,0F0E,7408,0000,0000,0000,DA
680 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
690 DATA 0000,0000,0000,0000,0000,0000,0074,090F,72
700 DATA 0F08,11EE,FF00,010C,010F,0E74,0800,0000,76
710 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
720 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
730 DATA 7409,0F0F,0C11,2299,0000,0009,0F0E,7408,AF
740 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
750 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
760 DATA 0000,0074,090F,0F08,1122,9900,0003,0F0F,DC
770 DATA 0E74,0800,0000,0000,0000,0000,0000,0000,72
780 DATA 0000,0000,0000,0000,0000,0000,0077,FFFF,77
790 DATA FFFF,FFFF,FFFF,7409,0F0F,0800,CCEE,0000,57
800 DATA 0F0F,0F0E,743B,FFFF,FFFF,FFFF,FFFF,FF00,B1
810 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
820 DATA 74F0,F0F0,F0F0,F0F0,F074,090F,0F08,0000,01
830 DATA 0000,000F,0F0F,0E74,38F0,F0F0,F0F0,F0F0,BD
840 DATA F0E1,0000,0000,0000,0000,0000,0000,0000,11
850 DATA 0000,0074,F0F0,F0F0,F0F0,F0F0,7409,0F0F,09
860 DATA 0800,0000,0000,0F0F,0F0E,7438,F0F0,F0F0,45
870 DATA F0F0,F0F0,E100,0000,0000,0000,0000,0000,E1
880 DATA 0000,0000,0000,740F,0F0F,0F0F,0F0F,0F74,00
890 DATA 090F,0F08,0000,0002,000F,0F0F,0E74,0B0F,72
900 DATA 0F0F,0F0F,0F0F,0F69,0000,0000,0000,0000,66
910 DATA 0000,0000,0000,0000,0074,0800,0000,0000,7C
920 DATA 0000,7409,0F0F,0C00,0000,0401,0F0F,0F0E,75
930 DATA 7408,0000,0000,0000,0000,E900,0000,0000,95
940 DATA 0000,0000,0000,0000,0000,0000,7408,0000,7C
950 DATA 0000,0000,0074,090F,0F0C,0100,0208,010F,74
960 DATA 0F0F,0E74,0800,0000,0000,0000,00E9,0000,9B
970 DATA 0000,0000,0000,0000,0000,0000,0000,0074,74
980 DATA 0800,0000,0000,0000,7409,0F0F,0E00,0505,7B
990 DATA 0003,0F0F,0F0E,7408,0000,0000,0000,0000,7E
1000 DATA E900,0000,0000,0000,0000,0000,0000,0000,E9
1010 DATA 0000,7408,0000,0000,0000,0074,090F,0F0F,0E
1020 DATA 0002,0800,070F,0F0F,0E74,0800,0000,0000,70
1030 DATA 0000,00E9,0000,0000,0000,0000,0000,0000,E9
1040 DATA 0000,0000,0074,0800,0000,0000,0000,7409,01
1050 DATA 0F0F,0F08,0000,000F,0F0F,0F0E,7408,0000,75
1060 DATA 0000,0000,0000,E900,0000,0000,0000,0000,E9
1070 DATA 0000,0000,0000,0000,7408,0000,0000,0000,7C
1080 DATA 0074,090F,0F0F,0E00,0003,0F0F,0F0F,0E74,05
1090 DATA 0800,0000,0000,0000,00E9,0000,0000,0000,E1
1100 DATA 0000,0000,0000,0000,0000,0074,0800,0000,7C
1110 DATA 0000,0000,7409,0F0F,0F0F,0800,0F0F,0F0F,75
1120 DATA 0F0E,7408,0000,0000,0000,0000,E900,0000,94
1130 DATA 0000,0000,0000,0000,0000,0000,0000,7408,7C
1140 DATA 0000,0000,0000,0074,090F,0F0F,0F0F,0F0F,72
1150 DATA 0F0F,0F0F,0E74,0800,0000,0000,0000,00E9,9B
1160 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1170 DATA 0074,0800,0000,0000,0000,7409,0F0F,0F0F,01
1180 DATA 0F0F,0F09,0F0F,0F0E,7408,0000,0000,0000,7B
1190 DATA 0000,E900,0000,0000,0000,0000,0000,0000,E9
1200 DATA 0000,0000,7408,0000,0000,0000,0074,090F,0E
1210 DATA 0F0F,0E07,0F0C,070F,0F0F,0E74,0800,0000,70
1220 DATA 0000,0000,00E9,0000,0000,0000,0000,0000,E9
1230 DATA 0000,0000,0000,0074,0800,0000,0000,0000,7C
1240 DATA 7409,0F0F,0F0F,0800,030F,0F0F,0F0E,7408,04
1250 DATA 0000,0000,0000,0000,E900,0000,0000,0000,E9
1260 DATA 0000,0000,0000,0000,0000,7408,0000,0000,7C
1270 DATA 0000,0074,090F,0F0F,0F0F,0F0F,0F0F,0F0F,72
1280 DATA 0E74,0800,0000,0000,0000,00E9,0000,0000,9B
1290 DATA 0000,0000,0000,0000,0000,0000,0074,0800,7C
1300 DATA 0000,0000,0000,7409,0F0F,0F0F,0F0F,0F07,75
1310 DATA 0F0F,0F0E,7408,0000,0000,0000,0000,E900,94
1320 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1330 DATA 7408,0000,0000,0000,0074,090F,0F0F,0F0F,0E
1340 DATA 0800,0F0F,0F0F,0E74,0800,0000,0000,0000,7A
1350 DATA 00E9,0000,0000,0000,0000,0000,0000,0000,E9
1360 DATA 0000,0074,0800,0000,0000,0000,7409,0F0F,01
1370 DATA 0F0F,0F0F,0F0F,0F0F,0F0E,7408,0000,0000,7D
1380 DATA 0000,0000,E900,0000,0000,0000,0000,0000,E9
1390 DATA 0000,0000,0000,7408,0000,0000,0000,0074,08
1400 DATA 090F,0F0F,0F0F,0F0F,0F0F,0F0F,0E74,0800,74
1410 DATA 0000,0000,0000,00E9,0000,0000,0000,0000,E9
1420 DATA 0000,0000,0000,0000,0074,0800,0000,0000,7C
1430 DATA 0000,7409,0F0F,0F0F,0F0F,0F0F,0F0F,0F0E,7C
1440 DATA 7408,0000,0000,0000,0000,E900,0000,0000,95
1450 DATA 0000,0000,0000,0000,0000,0000,7408,0000,7C
1460 DATA 0000,0000,0074,090F,0F0F,0F0F,0F0F,0F0F,72
1470 DATA 0F0F,0E74,0800,0000,0000,0000,00E9,0000,9B
1480 DATA 0000,0000,0000,0000,0000,0000,0000,0074,74
1490 DATA 0800,0000,0000,0000,7409,0F0F,0F0F,0F0F,75
1500 DATA 0F0F,0F0F,0F0E,7408,0000,0000,0000,0000,7D
1510 DATA E900,0000,0000,0000,0000,0000,0000,0000,E9
1520 DATA 0000,7408,0000,0000,0000,0074,0800,0000,00
1530 DATA 0000,0000,0000,0000,0074,0800,0000,0000,7C
1540 DATA 0000,00E9,0000,0000,0000,0000,0000,0000,E9
1550 DATA 0000,0000,0074,0800,0000,0000,0000,7408,00
1560 DATA 0000,0000,0000,0000,0000,0000,7408,0000,7C
1570 DATA 0000,0000,0000,E900,0000,0000,0000,0000,E9
1580 DATA 0000,0000,0000,0000,7408,0000,0000,0000,7C
1590 DATA 0074,7FFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFC,F7
1600 DATA 0800,0000,0000,0000,00E9,0000,0000,0000,E1
1610 DATA 0000,0000,0000,0000,0000,0074,0800,0000,7C
1620 DATA 0000,0000,74F0,F0F0,F0F0,F0F0,F0F0,F0F0,84
1630 DATA F0F0,F008,0000,0000,0000,0000,E900,0000,11
1640 DATA 0000,0000,0000,0000,0000,0000,0000,7408,7C
1650 DATA 0000,0000,0000,0074,F0F0,F0F0,F0F0,F0F0,74
1660 DATA F0F0,F0F0,F0F0,0800,0000,0000,0000,00E9,E1
1670 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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1680 DATA 0074,0800,0000,0000,0000,470F,0F0F,0F0F,34
1690 DATA 0F0F,0F0F,0F0F,0F0F,0F08,0000,0000,0000,07
1700 DATA 0000,E900,0000,0000,0000,0000,0000,0000,E9
1710 DATA 0000,0000,7408,0000,0000,0000,0000,0000,7C
1720 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1730 DATA 0000,0000,00E9,0000,0000,0000,0000,0000,E9
1740 DATA 0000,0000,0000,0074,0800,0000,0000,0000,7C
1750 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1760 DATA 0000,0000,0000,0000,E900,0000,0000,0000,E9
1770 DATA 0000,0000,0000,0000,0000,7408,0000,0000,7C
1780 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1790 DATA 0000,0000,0000,0000,0000,00E9,0000,0000,E9
1800 DATA 0000,0000,0000,0000,0000,0000,0074,0800,7C
1810 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1820 DATA 0000,0000,0000,0000,0000,0000,0000,E900,E9
1830 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1840 DATA 7408,0000,0000,0000,0000,0000,0000,0000,7C
1850 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1860 DATA 00E9,0000,0000,0000,0000,0000,0000,0000,E9
1870 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1880 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
1890 DATA 0000,0000,0000,0000,0000,0000,0000,77FF,88
1900 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
1910 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
1920 DATA FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,00
1930 DATA FF74,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,8B
1940 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1950 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1960 DATA F0F0,F0E1,74F0,F0F0,F0F0,F0F0,F0F0,F0F0,95
1970 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1980 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
1990 DATA F0F0,F0F0,F0F0,E174,0F0F,0F0F,0F0F,0F0F,95
2000 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
2010 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
2020 DATA 0F0F,0F0F,0F0F,0F0F,0F69,7408,0000,0000,1A
2030 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2040 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2050 DATA 0000,0000,0000,0000,0000,0000,E974,0800,95
2060 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2070 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2080 DATA 0000,0000,0000,0000,0000,0000,0000,00E9,E9
2090 DATA 7408,0000,0000,0000,0000,0000,0000,0000,7C
2100 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2110 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2120 DATA 0000,E974,0800,0000,0000,0000,0000,0000,95
2130 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2140 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2150 DATA 0000,0000,00E9,7408,0000,0000,0000,0000,95
2160 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2170 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2180 DATA 0000,0000,0000,0000,E974,0800,0000,0000,95
2190 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2200 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2210 DATA 0000,0000,0000,0000,0000,00E9.7408,0000,95
2220 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2230 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2240 DATA 0000,0000,0000,0000,0000,0000,0000,E974,9D
2250 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
2260 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2270 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2280 DATA 00E9,7408,0000,0000,31CE,00E7,00D6,CE00,95
2290 DATA E784,D6CE,00E7,84F7,EF31,DE8C,F78C,00E7,FF
2300 DATA 84F7,EF10,FF08,318C,317B,0800,0000,6300,E7
2310 DATA 108C,0000,E974,0800,0000,0073,8C10,CE10,38
2320 DATA BD8C,10DE,18BD,8C10,DE18,FFCE,73BD,18FF.18
2330 DATA 0810,DE18,FFCE,31EF,0073,0863,E700,0000,CE
2340 DATA 00C6,0031,0800,00E9,7408,0000,0010,0884,F6
2350 DATA 42C6,31DE,8C63,6331,9C8C,4263,0063,0063,E7
2360 DATA 6300,C600,4263,0063,00B5,8C10,3908,F76B,63
2370 DATA 0000,0010,8C00,6300,0000,E974,0800,0000,6A
2380 DATA 2110,0894,8C73,BD08,C6C6,7339,0884,C600,E7
2390 DATA C600,C6C6,108C,0084,C600,C610,7B08,2163,FF
2400 DATA 10EF,C600,0000,3108,00C6,0000,00E9,7408,53
2410 DATA 0000,00C6,0031,188C,E763,3118,8CC6,6331,D6
2420 DATA 188C,3108,1018,8C63,0031,188C,3108,00C6,10
2430 DATA 00C6,6331,9C8C,0000,0063,0010,8C00,0000,7B
2440 DATA E974,0800,0010,8C00,6331,18CE,C663,3118,01
2450 DATA 8CC6,6331,0863,0021,3108,C600,6331,0863,94
2460 DATA 0010,8C10,8CC6,7339,0800,0000,C600,3108,7B
2470 DATA 0000,00E9,7408,0000,3108,00C6,6331,188C,AC
2480 DATA C663,3118,08C6,6300,C600,C663,108C,00C6,18
2490 DATA 6300,C600,3108,3118,8CC6,6300,0000,108C,00
2500 DATA 0063,0000,0000,E974,0800,0063,0010,8CC6,CF
2510 DATA 6331,188C,C663,2110,8CC6,108C,108C,C631,EF
2520 DATA 0810,8CC6,108C,0063,0063,3118,8CC6,0000,AD
2530 DATA 0031,0800,C600,0000,00E9,7408,0000,C600,AC
2540 DATA 3118,8CC6,6310,398C,F78C,3118,8C31,0831,73
2550 DATA 188C,6300,3118,8C31,0800,C600,C663,3118,21
2560 DATA 8C00,0000,6300,108C,0000,0000,E974,0800,E6
2570 DATA 00C6,C631,2910,9C8C,31BD,189C,8C63,7308,84
2580 DATA 6300,737B,08C6,C663,7308,6300,10AD,00C6,63
2590 DATA 8463,6300,0000,0000,0000,0000,0000,00E9,6D
2600 DATA 7408,0010,9C8C,6342,3139,0873,6B31,3908,45
2610 DATA C6E7,00C6,00E7,E710,9C8C,C6E7,00C6,0031,31
2620 DATA 4A10,9C08,C6C6,0000,0000,0000,0000,0000,CE
2630 DATA 0000,E974,0800,10EF,0073,0863,F718,08C6,53
2640 DATA 6331,08E7,C600,C600,E7C6,31EF,00E7,C600,63
2650 DATA C610.FF8C.10CE.10BD.CE00.0000.3108,00C6,E7
2660 DATA 0000,0000,00E9,7408,0031,CE00,E700,D6EF,B4
2670 DATA 2110,8CC6,6310,DE8C,108C,10DE,8C73,CE10,29
2680 DATA DE8C,108C,31FF,0831,8C31,7B8C,0000,0063,10
2690 DATA 0010,8C00,0000,0000,E974,0800,0000,0000,09
2700 DATA 0000,0031,EF00,0000,0000,0000,0000,0000,DE
2710 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2720 DATA 0000,0000,0000,0000,0000,00E9,7408,0000,95
2730 DATA 0000,0000,0000,73CE,0000,0000,0000,0000,BD
2740 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2750 DATA 0000,0000,0000,0000,0000,0000,0000,E974,9D
2760 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
2770 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2780 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2790 DATA 00E9,7408,0000,0000,0000,0000,0000,0000,95
2800 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2810 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2820 DATA 0000,0000,E974,0800,0000,0000,0000,0000,95
2830 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2840 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2850 DATA 0000,0000,0000,00E9,7408,0000,0000,0000,95
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2860 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2870 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2880 DATA 0000,0000,0000,0000,0000,E974,0800,0000,95
2890 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2900 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2910 DATA 0000,0000,0000,0000,0000,0000,00E9,7408,95
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2940 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2950 DATA E974,0800,0000,0000,0000,0000,0000,0000,95
2960 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2970 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
2980 DATA 0000,00E9,7408,0000,0000,0000,0000,0000,95
2990 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3000 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3010 DATA 0000,0000,0000,E974,0800,0000,0000,0000,95
3020 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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3040 DATA 0000,0000,0000,0000,00E9,7408,0000,0000,95
3050 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3060 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3070 DATA 0000,0000,0000,0000,0000,0000,E974,0800,95
3080 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3090 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3100 DATA 0000,0000,0000,0000,0000,0000,0000,00E9,E9
3110 DATA 7408,0000,0000,0000,0000,0000,0000,0000,7C
3120 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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3140 DATA 0000,E974,0800,0000,0000,0000,0000,0000,95
3150 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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3170 DATA 0000,0000,00E9,7408,0000,0000,0000,0000,95
3180 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3190 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3200 DATA 0000,0000,0000,0000,E974,0800,0000,0000,95
3210 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3220 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3230 DATA 0000,0000,0000,0000,0000,00E9,7408,0000,95
3240 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3250 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3260 DATA 0000,0000,0000,0000,0000,0000,0000,E974,9D
3270 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
3280 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3290 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3300 DATA 00E9,7408,0000,0000,0000,0000,0000,0000,95
3310 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3320 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3330 DATA 0000,0000,E974,0800,0031,188C,318C,31DE,62
3340 DATA 8C00,0031,0800,31AD,319C,8C31,CE00,0000,F7
3350 DATA 52CE,10FF,08D6,CE10,FF08,73CE,3108,0031,31
3360 DATA CE00,318C,0000,00E9,7408,0000,3139,0894,72
3370 DATA 8C31,3908,0000,73EF,0084,C621,3108,C6C6,4A
3380 DATA 0000,00C6,C652,CE10,EFC6,52CE,108C,4273,94
3390 DATA EF00,C6C6,31BD,0800,0000,E974,0800,0063,9D
3400 DATA 6331,188C,4263,0000,00E7,6331,188C,C663,63
3410 DATA 3118,8C00,0010,8C00,3108,319C,8C31,0831,29
3420 DATA 0800,E763,3118,8CC6,E700,0000,00E9,7408,9D
3430 DATA 0000,C6C6,6331,188C,C600,0010,8CC6,6331,08
3440 DATA 188C,C673,EF00,0000,73CE,0063,0063,3108,4A
3450 DATA 6300,31EF,108C,C673,EF10,8CC6,0000,0000,21
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3470 DATA 8CC6,6310,9C8C,C600,0000,0063,0000,C600,4A
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3520 DATA 3108,0000,0000,E974,0800,C6C6,00E7,0073,38
3530 DATA 6B00,0000,D6EF,10DE,8C10,8C00,F708,0000,73
3540 DATA 108C,00F7,CE31,7B8C,F7CE,10FF,08D6,EF00,84
3550 DATA F708,31CE,0000,0000,00E9,7408,00F7,0800,6A
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3630 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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3680 DATA 0000,0000,00E9,7408,0000,0000,0000,0000,95
3690 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3700 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3710 DATA 0000,0000,0000,0000,E974,0800,0000,0000,95
3720 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3730 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3740 DATA 0000,0000,0000,0000,0000,00E9,7408,0000,95
3750 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3760 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3770 DATA 0000,0000,0000,0000,0000,0000,0000,E974,9D
3780 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
3790 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3800 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3810 DATA 00E9,7408,0000,0000,0000,0000,0000,0000,95
3820 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3830 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3840 DATA 0000,0000,E974,0800,0000,0000,0000,0000,95
3850 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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3870 DATA 0000,0000,0000,00E9,7408,0000,0000,0000,95
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3910 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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3960 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
3970 DATA E974,0800,0000,0000,0000,0000,0000,0000,95
3980 DATA 73CE,00E7,00C6,6300,E700,0000,317B,0831,6B
3990 DATA AD31,F708,0000,0000,0000,0000,0000,0000,63
4000 DATA 0000,00E9,7408,0000,0000,0000,0000,0000,95
4010 DATA 0000,108C,4221,6310,9C8C,2163,0000,0073,AD
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4030 DATA 0000,0000,0000,E974,0800,0000,0000,0000,95
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4040 DATA 0000,0000,0031,0800,C663,316B,00C6,6300,63
4050 DATA 0000,C663,3118,8CD5,6B00,0000,0000,0000,BE
4060 DATA 0000,0000,0000,0000,00E9,7408,0000,0000,95
4070 DATA 0000,0000,0000,0000,31EF,108C,C673,8C10,6B
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4100 DATA 0000,0000,0000,0000,0000,0000,6331,188C,C6
4110 DATA F708,3118,8C00,0031,188C,C663,311A,8C00,FD
4120 DATA 0000,0000,0000,0000,0000,0000,0000,00E9,E9
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4140 DATA 3129,10BD,0831,2900,0000,6331,189C,CE63,DE
4150 DATA 3508,0000,0000,0000,0000,0000,0000,0000,3D
4160 DATA 0000,E974,0800,0000,0000,0000,0000,0000,95
4170 DATA 10FF,0831,8C31,398C,318C,0000,00F7,CE10,4A
4180 DATA DE8C,C62A,0000,0000,0000,0000,0000,0000,BE
4190 DATA 0000,0000,00E9,7408,0000,0000,0000,0000,95
4200 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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4520 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
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4550 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
4560 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
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4640 DATA 0000,0000,0000,0000,7408,0000,0000,0000,7C
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4750 DATA 0000,8833,2288,8800,0000,0000,0000,0000,99
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4950 DATA 0000,0000,E900,0000,0000,0000,0000,0000,E9
4960 DATA 0000,0000,0000,7408,0000,0000,0000,0000,7C
4970 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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4990 DATA 0000,0000,0000,0000,0074,0800,0000,0000,7C
5000 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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5020 DATA 0000,0000,0000,0000,0000,0000,7408,0000,7C
5030 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
5040 DATA 0000,0000,0000,0000,0000,0000,00E9,0000,E9
5050 DATA 0000,0000,0000,0000,0000,0000,0000,0074,74
5060 DATA 0800,0000,0000,0000,0000,0000,0000,0000,08
5070 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
5080 DATA E900,0000,0000,0000,0000,0000,0000,0000,E9
5090 DATA 0000,747F,FFFF,FFFF,FFFF,FFFF,FFFF,FFFF,0B
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5120 DATA 0000,0000,0074,F0F0,F0F0,F0F0,F0F0,F0F0,74
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5150 DATA 0000,0000,0000,0000,74F0,F0F0,F0F0,F0F0,84
5160 DATA F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,F0F0,00
5170 DATA F0F0,F0F0,F0F0,F0F0,F0E1,0000,0000,0000,11
5180 DATA 0000,0000,0000,0000,0000,0047,0F0F,0F0F,47
5190 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,00
5200 DATA 0F0F,0F0F,0F0F,0F0F,0F0F,0F0F,0F00,0000,0F
5210 DATA 0000,0000,0000,0000,0000,0000,0000,0000,00
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A SUIVRE ●●●



Viser juste avec... le partenaire de votre réussite

Toute une Gamme de logiciels éducatifs de la maternelle aux classes terminales

FRANÇAIS - CM 1

FRANÇAIS - CM2

FRANÇAIS - CE 2

FRANÇAIS - CE 1

MATHS - CP

MATHS - CM 1

MATHS - CM 2

MATHS - CE 2

MATHS - CE 1

NOUVEAU

MICRO.C

NOUVEAU

• **FRANCAIS CE 1**
Tu dois gagner la coupe, si tu veux être un champion moto. Tes connaissances seront ta seule énergie.
Réf. Mic 23CPC
Prix : **200F** + port **15F**

• **FRANCAIS CE 2**
Si tu veux être un champion de grand prix, ta moto ne roulera qu'en fonction de tes connaissances...
Réf .Mic 27CPC
Prix : **200F** + port **15F**

• **FRANCAIS CM 2**
Au milieu du désert, tu devras puiser de l'eau pour aider les touaregs à arroser les palmiers de leurs oasis. A l'aide de tes connaissances...
Réf. Mic 28CPC
Prix : **200F** + port **15F**

• **FRANCAIS CM 1**
Grâce à ton canoë, tu vas visiter de nombreux icebergs : l'iceberg de l'orthographe, du vocabulaire, de la conjugaison, de la grammaire et de la lecture.
Réf. Mic 29CPC
Prix : **200F** + port **15F**

DEBUTER L'ANNEE AVEC



NOUVEAUTES

SEULEMENT EN VGA

• **MATHS CP**
A travers différentes îles infestées de pirates, tu devras défier Rakam pour récupérer les coffres qu'il t'a dérobés.
Réf. Mic 22CPC
Prix : **200F** port **15F**

• **MATHS** 

Un de tes riches ancêtres possédait des coffres remplis d'or ! Mais voilà ! Les clés des coffres sont cachées dans une grotte...
Réf. Mic 25CPC
Prix : **200F** port **15F**

• **MATHS** 

Te voilà arrivé au beau milieu du désert en compagnie de touaregs. Il va falloir les aider à la quête de l'eau...
Ref. Mic26CPC
Prix : **200F** port **15F**

• **MATHS CM 2**
Les coffres du 'savoir mathématiques' ont été dérobés. L'élève devra les rechercher en visitant des îles.
Réf. Mic 30CPC
Prix : **200F** port **15F**

• **MATHS** 

Les clés des coffres contenant des pieces d'or ont été dissimulés. Part à leur recherche dans les différentes grottes des nombres.
Réf Mic 31CPC
Prix : **200F** port **15F**

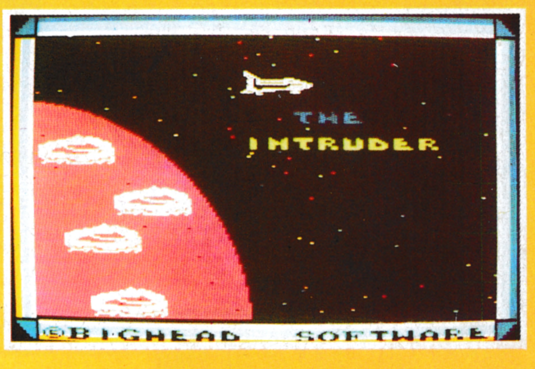
*Les exercices et les degrés de difficulté évoluent suivant les diverses périodes de l'année et les compétences de chacun. Un modèle d'**EVALUATION** permettra aux parents et enseignants de vérifier le travail de l'enfant et d'avoir à tout moment une idée précise sur l'acquisition des compétences liées aux objectifs.*

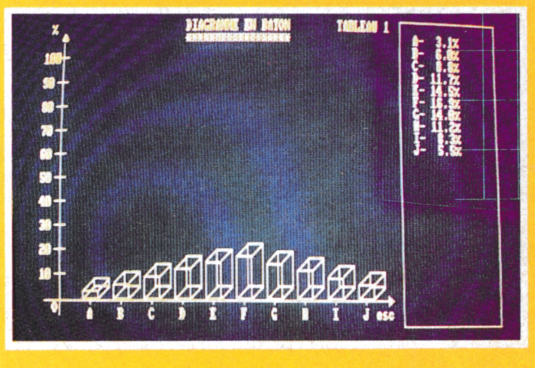
*Voir bon de commande **SORACOM***

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LA COMMUNICATION C'EST NOTRE METIER

Voir bon de commande page 38

ATTENTION : Seul le câble Arcades fonctionne avec le logiciel de téléchargement.